

Service Manual

RECEIVER

CHASSIS : SA-100
MODEL : DSA-9310E



Caution

: In this Manual, some parts can be changed for improving. their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List)in Service Information Center(<http://svc.dwe.co.kr>)

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1. PRODUCT SAFETY SERVICING GUIDELINES FOR RECEIVERS

CAUTION : Do not attempt to modify this product in any way. Unauthorized modifications will not only void the warranty, but may lead to your being liable for any resulting property damage or user injury. Service work should be performed only after you are thoroughly familiar with all of the following safety checks and servicing guide-lines. To do otherwise, increases the risk of potential hazards and injury to the user.

SAFETY CHECKS

After the original service problem has been corrected, a check should be made of the following:

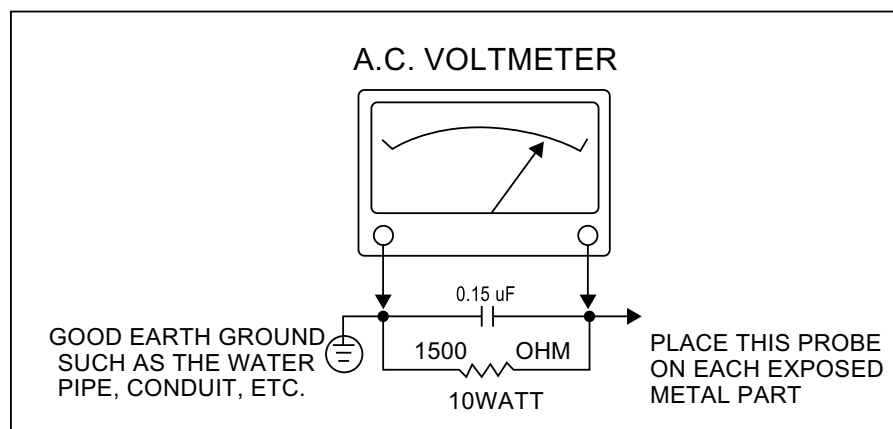
SUBJECT : FIRE & SHOCK HAZARD

1. Be sure that all components are positioned in such a way as to avoid possibility of adjacent component shorts.

This is especially important on those chassis which are transported to and from the repair shop.

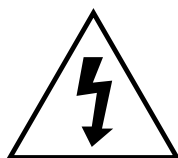
2. Never release a repair unless all protective devices such as insulators, barriers, covers, shields, strain relief, and other hardware have been reinstalled per original design.
3. Soldering must be inspected to discover possible cold solder joints, frayed leads, damaged insulation (including A.C. cord), solder splashes or sharp solder points. Be certain to remove all loose foreign particials.
4. Check for physical evidence of damage or deterioration to parts and components, and replace if necessary follow original layout, lead length and dress.
5. No leads or components should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. All critical components such as fuses, flameproof resistors, capacitors, etc. must be replaced with exact factory types. Do not use replacement components other than those specified or make unrecommended circuit modifications.
7. After re-assembly of the set always perform an A.C. leakage test on all exposed metallic parts of the cabinet, (the channel selector knob, antenna terminals, handle and screws) to be sure the set is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this test. Use an A.C. voltmeter, having 5000 ohms per volt or more sensitivity, in the following manner : connect a 1500 ohm 10 watt resistor, paralleled by a 15 mfd. 150V A.C. type capacitor between a known good earth ground (9water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the A.C. voltage across the combination of 1500 ohm resistor and 0.15 MFD capacitor. Reverse the A.C. plug and repeat A.C. voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts R.M.S. This corresponds to 0.5 milliamp A.C. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

PRODUCT SAFETY SERVICING GUIDELINES FOR RECEIVERS



<Figure 1>

GRAPHIC SYMBOLS :



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the service personnel to the presence of uninsulated “dangerous voltage” that may be of sufficiency magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the service personnel to the presence of important safety information in service literature.

“RISK OF-FIRE REPLACE FUSE AS MARKED”

The symbol is explained in the service manual with the following wording or equivalent.

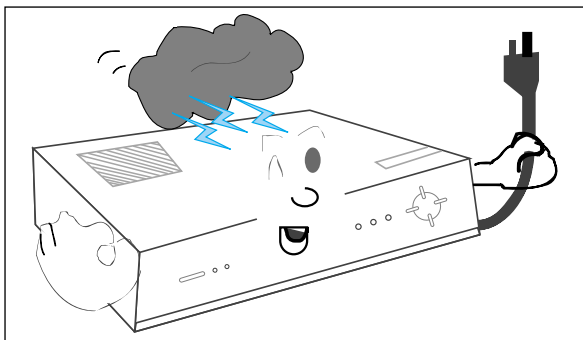
CAUTION : FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE (2A, 250V) and

“**ATTENTION :** AFIN D’ ASSU UNE PROTECTION PERMANENTE CONTRE LES RISQUES D’ INCENDIE, REMPLACER UNIQUE-MENT PAR UN FUSIBLE DE MEME TYPE ET DE “2A, 250V” .

PRODUCT SAFETY SERVICING GUIDELINES FOR RECEIVERS

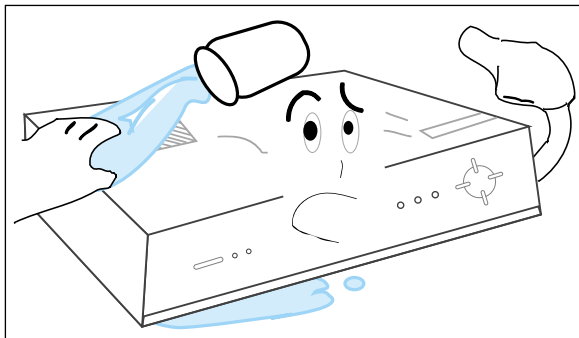
SUBJECT : TIPS ON PROPER INSTALLATION

Pull a plug out of socket when receiver is not in use for a long time or during a lightening storm

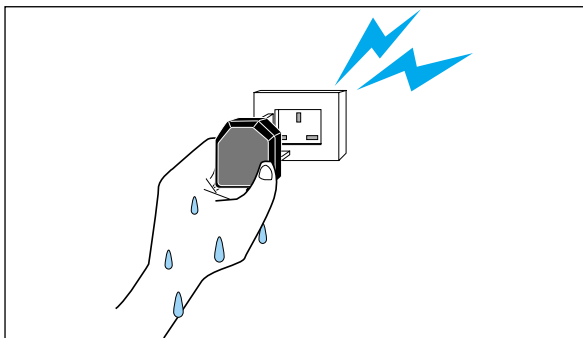


Do not place any liquid container on top of RECEIVER

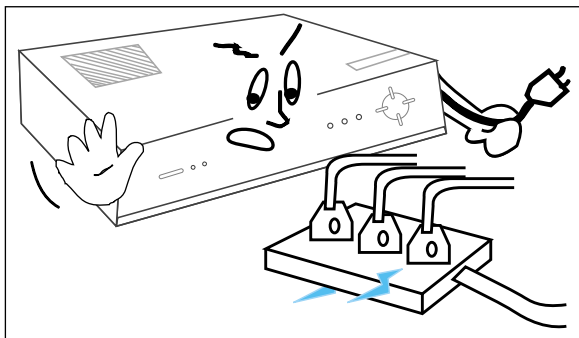
If water spills into RECEIVER, an electric short may occur which can cause fire.



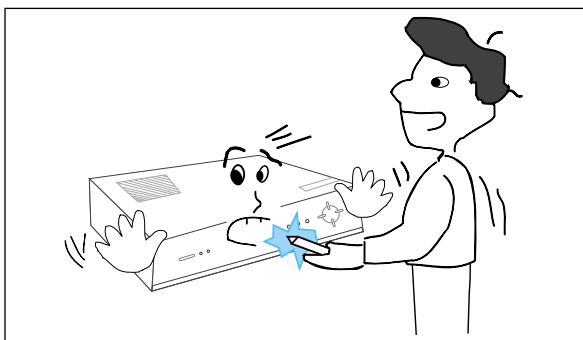
Do not handle the power cord with wet hand.
Do not pull the power cord to pull a plug out of the socket.



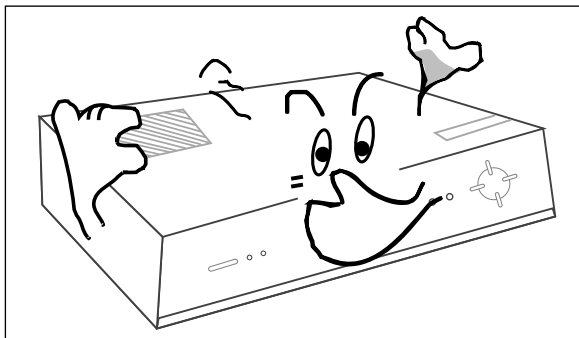
Do not overload wall outlets and extension cords. It may result in power failure.



Do not make any modifications.
Never attempt to disassemble the unit.

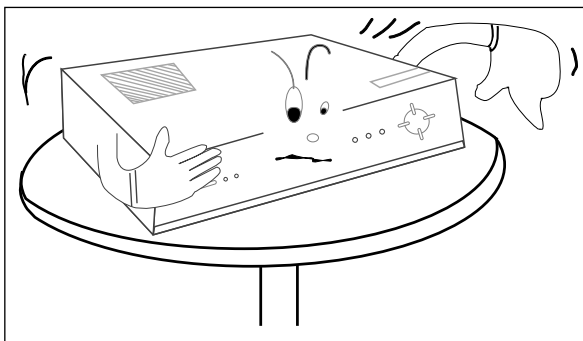


When strange noise or smell from RECEIVER, stop all operations and pull out plug. And then contact with Service Center.

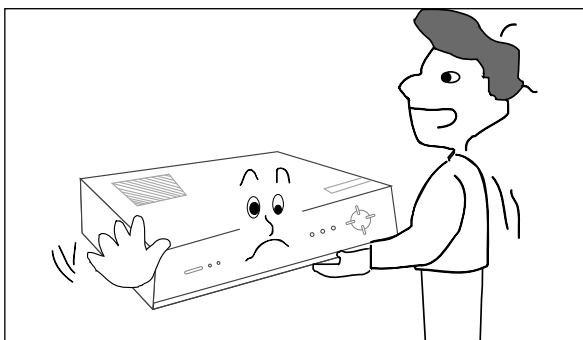


PRODUCT SAFETY SERVICING GUIDELINES FOR RECEIVERS

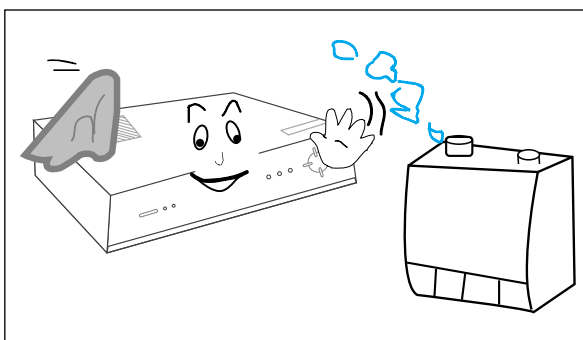
Place RECEIVER on plane stable place
If not, RECEIVER may fall off or tip over
causing injury or damage.



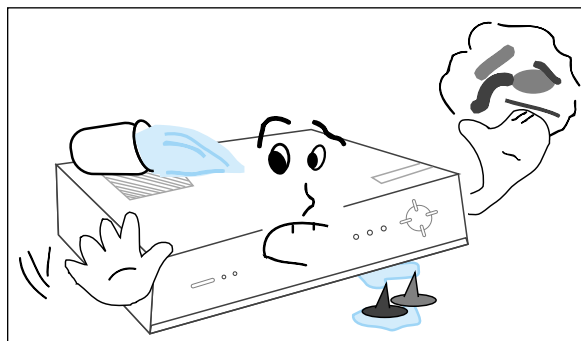
Be sure to disconnect all cables before moving
RECEIVER.



Do not put RECEIVER in the place of humid
or dusty, or in the place near oil, smoke or
steam.

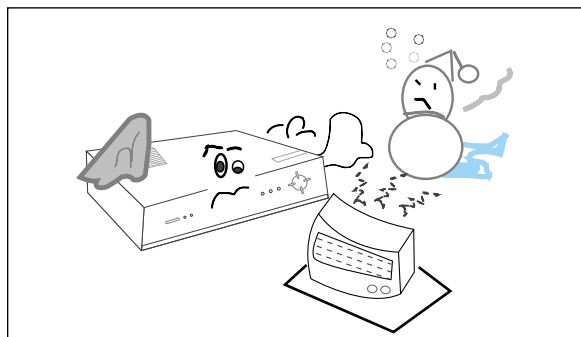


Keep RECEIVER safe from any foreign
objects.

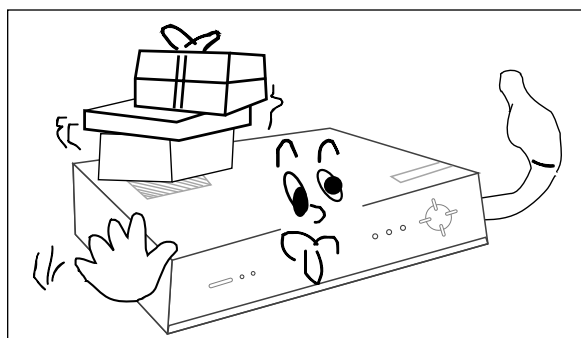


Put RECEIVER in the place of moderate
temperature of 5-40 degrees.

If not, it may cause a damage or shorten
Lifetime of RECEIVER.

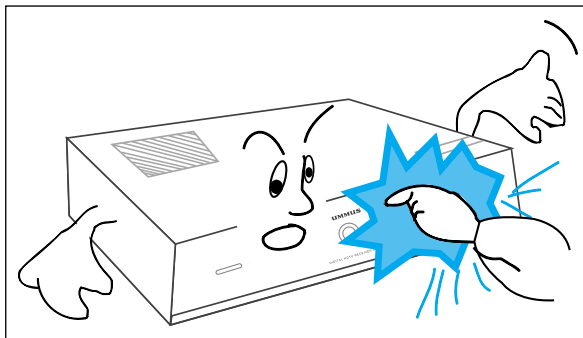


Do not lay heavy objects on RECEIVER.



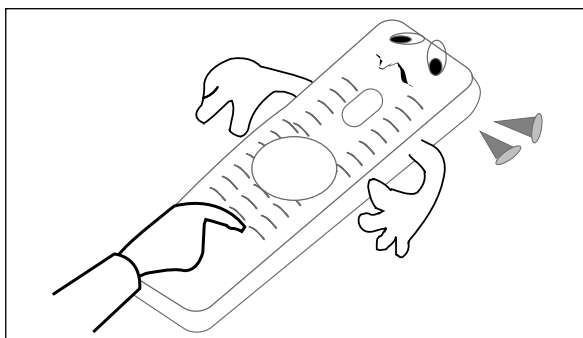
PRODUCT SAFETY SERVICING GUIDELINES FOR RECEIVERS

Do not use water or oil to clean.

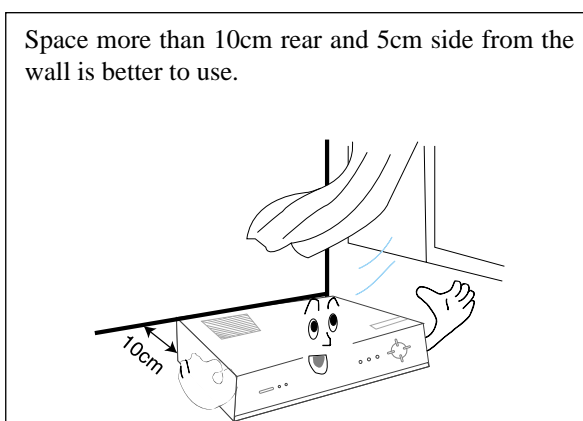


Do not put two buttons of remote controller in the same time

Never attempt to disassemble remote controller.

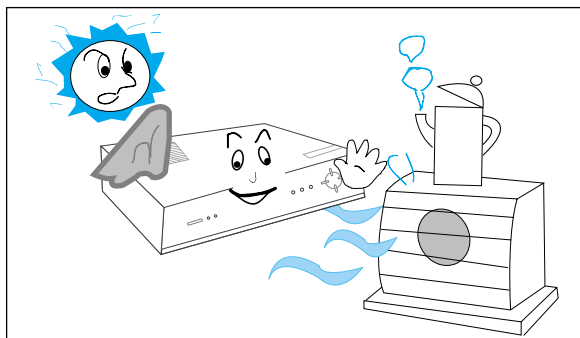


Put RECEIVER in the place of easy to ventilation

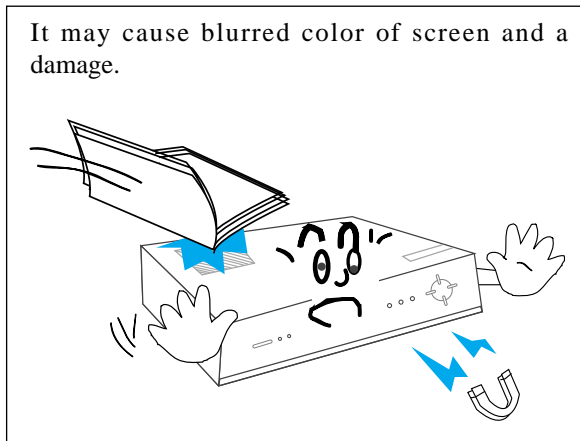


Do not put RECEIVER under the sunlight or near heating units.

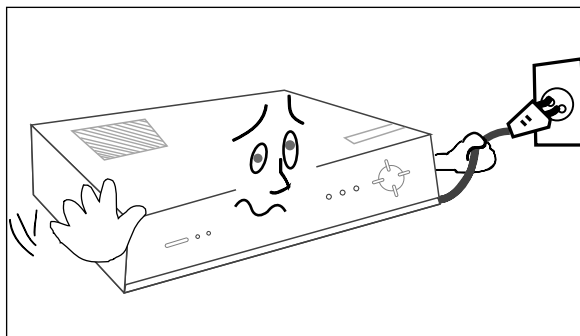
It may cause a damage or shorten lifetime of RECEIVER.



Keep RECEIVER away from magnet of vibration.



Do not plug in when shape of socket is not match with plug.



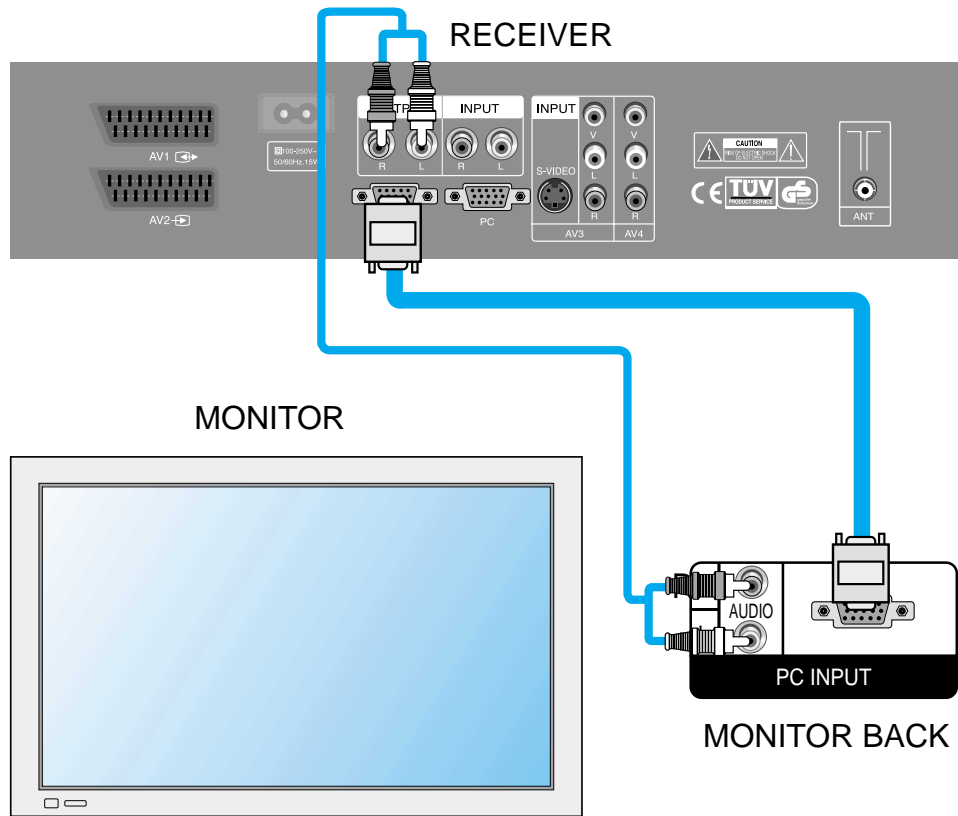
2. Specification

General	Power Requirement Power Consumption Dimension(W/H/D) Weight Antenna	100-250V~, 50/60Hz 15W 350 X 73 X 258.5 mm 2.8 Kg 75 ohm Unbalanced Type (DIN Standard)
Video	Video System(RF) (External) Video Output Picture RGB H V Teletext RGB H V	PAL - B/G, D/K, I/I' SECAM - B/G, D/K, L/L' PAL / SECAM / NTSC 640*480, 60P 31.4Khz 60Hz 800*600, 60P 37.8Khz 60Hz
Sound	Sound System Audio Ouput	All A2 systems All NICAM systems L / R
Input/Output Terminals	RF Antenna Input AC Input SCART(RGB, CVBS, L/R) RCA V/L/R S-VHS RCA V/L/R PC Input RGBHV Sound (L/R) Monitor Output(RGB/H/V) Sound Output (L/R) SCART Output(V/L/R)	1ea 1ea 2ea 1each 1each 1each 1ea 1each 1ea 1each 1ea

3. Connection Guide and Remote control

Connecting with Monitor

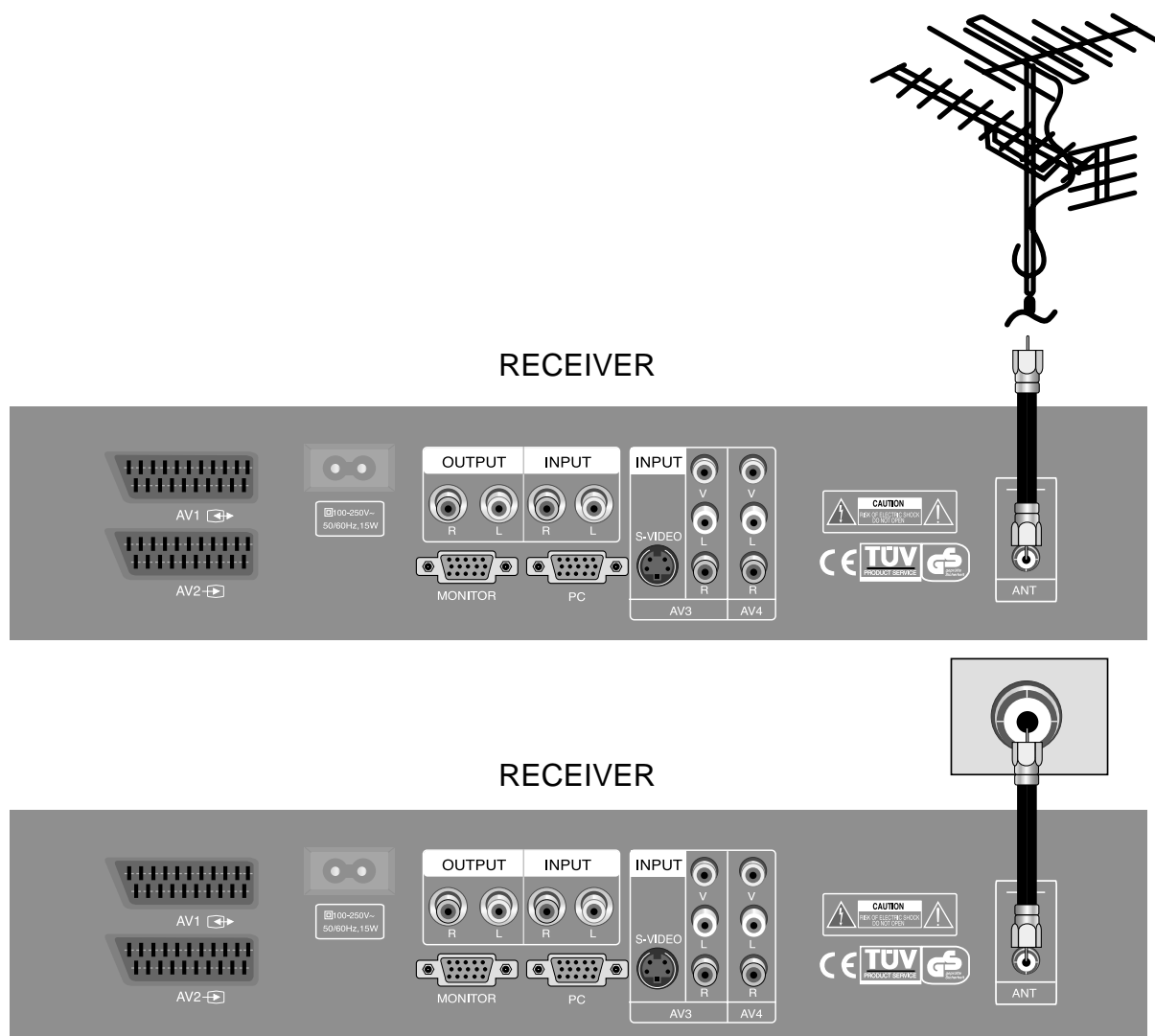
Connect D-SUB input of Monitor to the output terminal of D-SUB output of the RECEIVER.
Connect input of speaker to audio output terminal of the RECEIVER.



Connecting with an Aerial

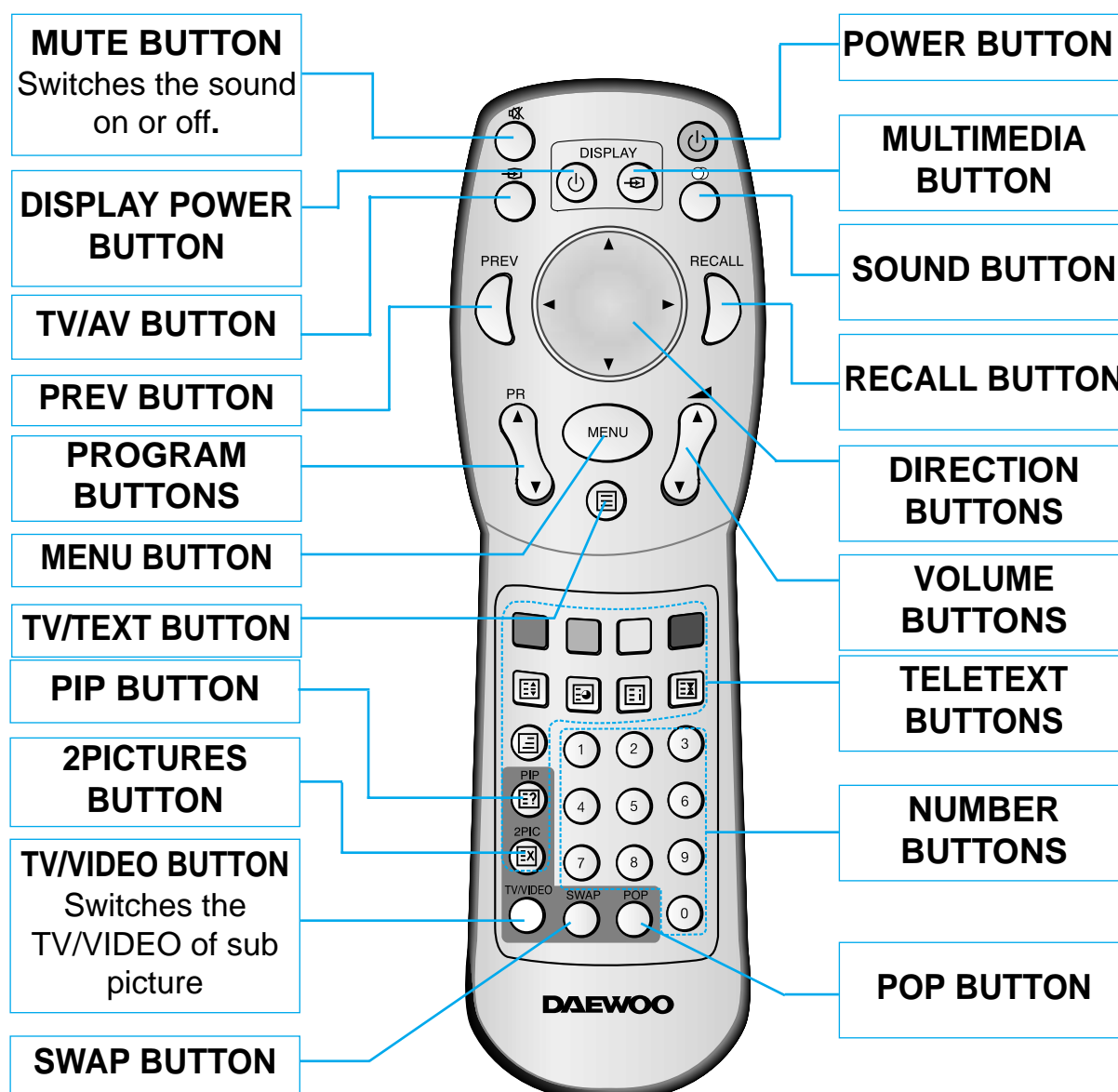
Plug the aerial into the coaxial socket.

Notice : This RECEIVER can receive PAL/SECAM except PAL M/N via antenna.



Connection Guide and Remote control

Remote Control overview



Caution

- Do not drop, avoid moisture, heat, and dust.

How to install the batteies(not supplied).

- Push to open the cover of the Remote Control
- Set the Batteries in the battery (cell), compartment after checking the polarities(+/-), and then, shut the cover(battery type "AA").

4. Limited Warranty

Daewoo Electronics warrants this product to be free from defects in material and workmanship and agrees to remedy and such defect.

This warranty covers 3 years labor and 3 years parts from the date of original purchase.

This warranty applies only to product purchased from authorized Daewoo Electronics dealer and used within the boundaries of EUROPE.

This warranty does not apply to product that has been improperly installed subjected to usage for which the product was not designed, misused or abused, damaged during transportation, or which has been altered or repaired in any way that affects the reliability or detracts from its performance.

HOW YOU GET WARRANTY SERVICE

Warranty service can only be provided by an authorized Daewoo electronics Service Center. For the closest authorized service center to you, please contact your dealer. In order to receive warranty service you must provide the authorized service center with a copy of proof of purchase, signifying the date of purchase and the name of the dealer from whom you purchased the product

STATUTORY WARRANTIES

The purchase may gave rights under existing provincial or federal laws, and where terms of this warranty are prohibited by such laws, they are deemed null and void, but the remainder of the warranty shall remain in effect.

5. Service Modes and General Adjustment

1. Entering to service modes

Power Off

1 → Mute → Recall → Mute

Power On

1 : PR setting for Line test

2 : Factory setting

2. General Adjusting

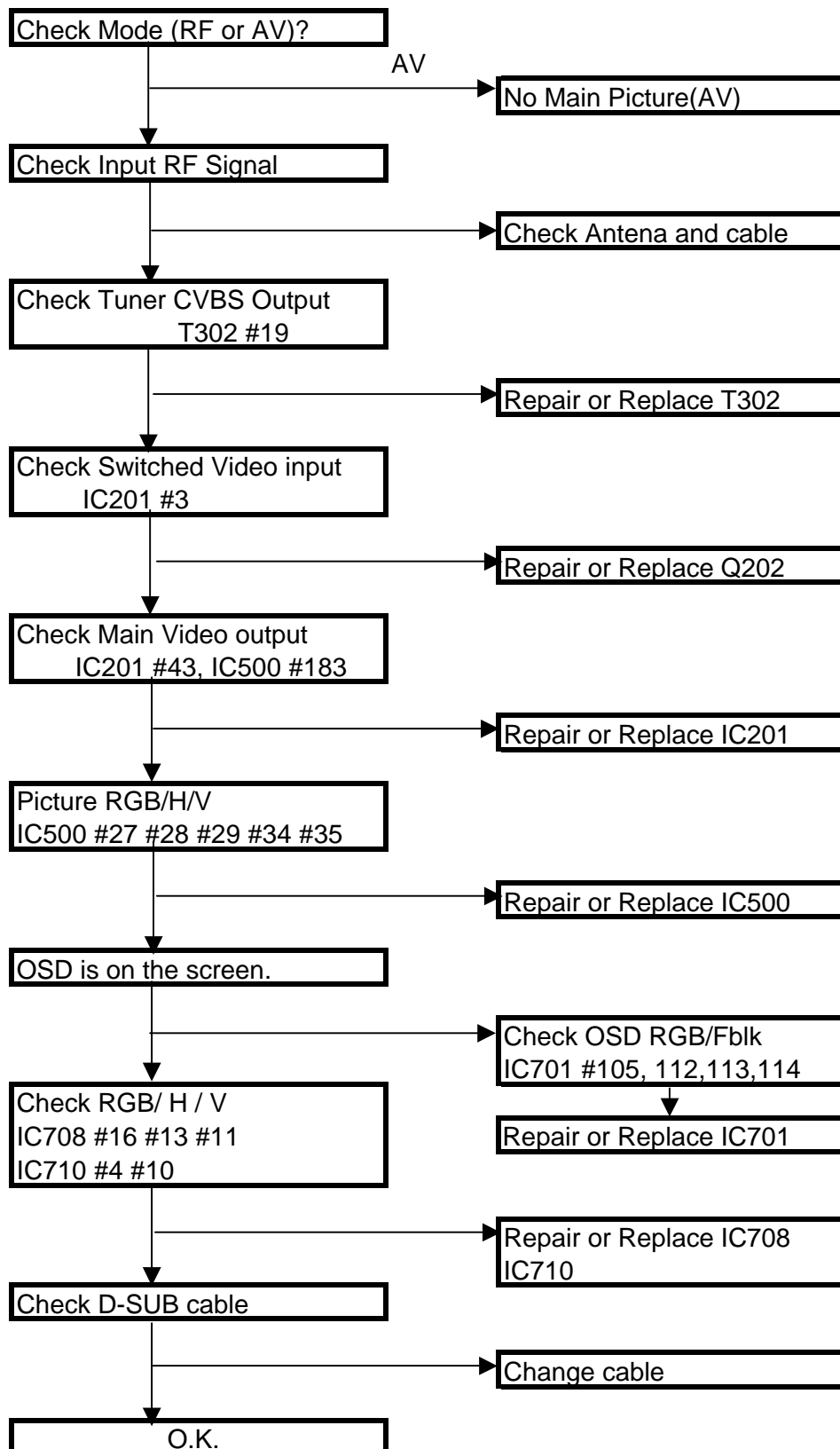
No need to adjust

Notice

After replacing a new assembly, the rest adjustments are no need.

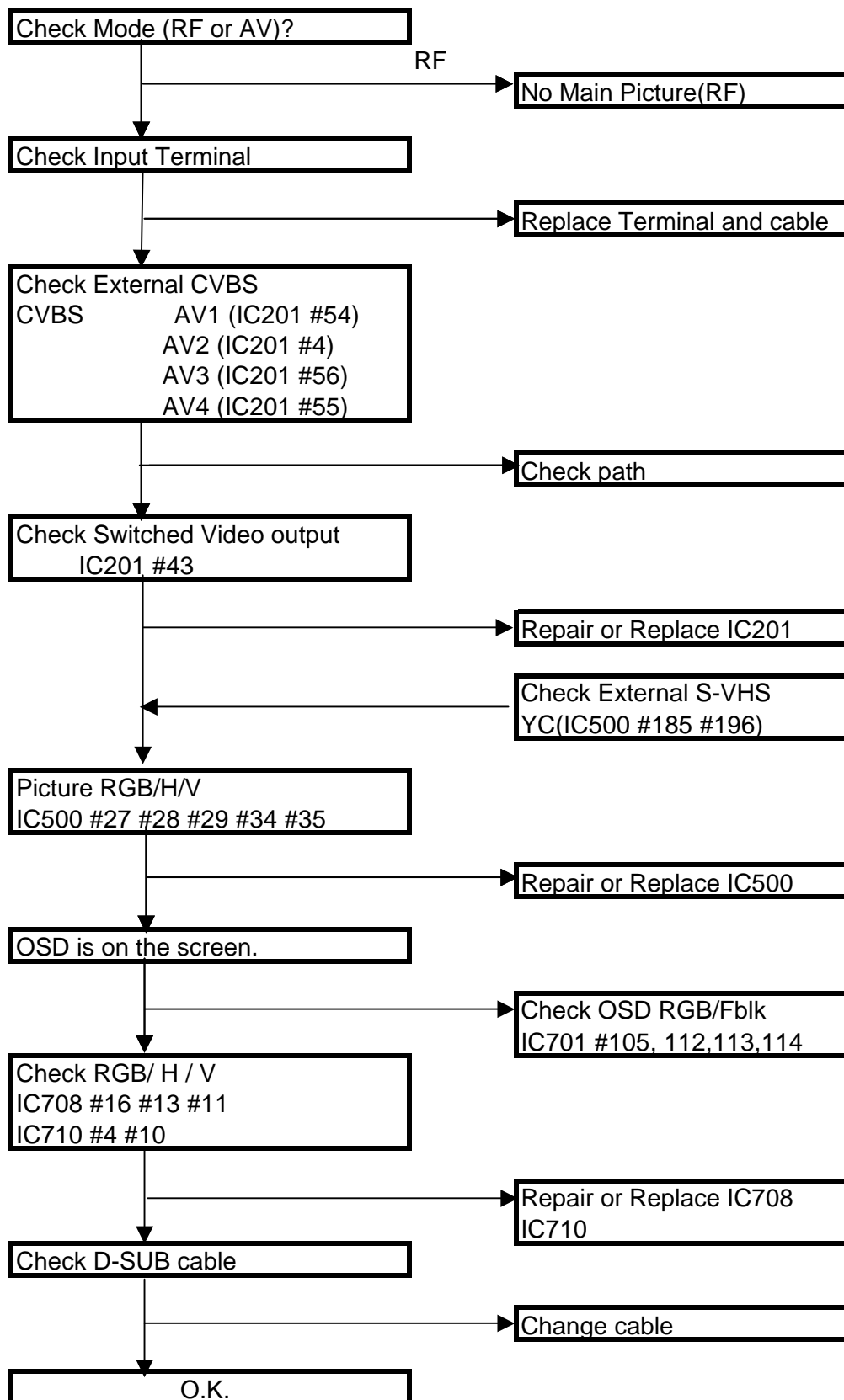
6. Troubleshooting charts

No Main Picture(RF)

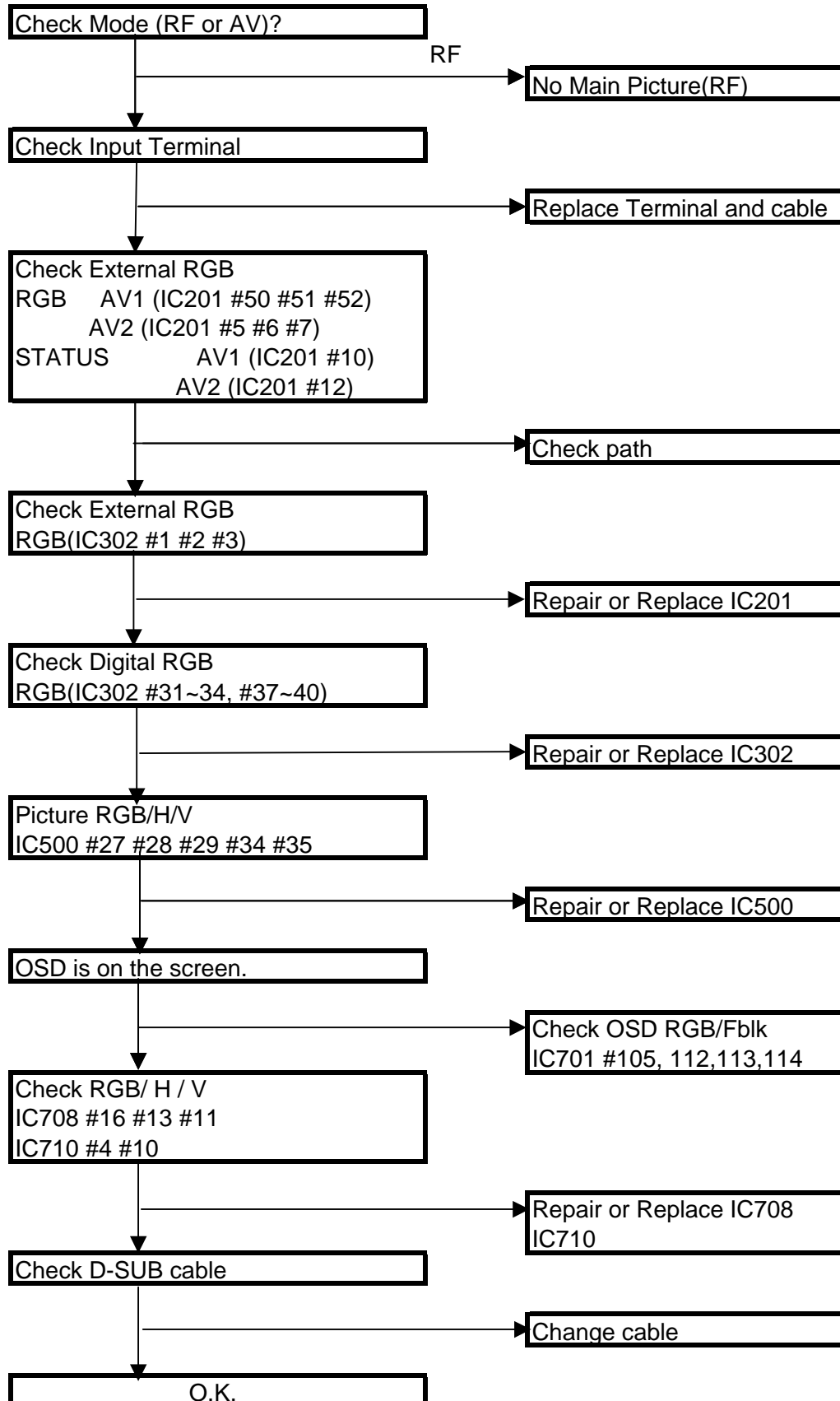


Troubleshooting charts

No Main Picture(AV)

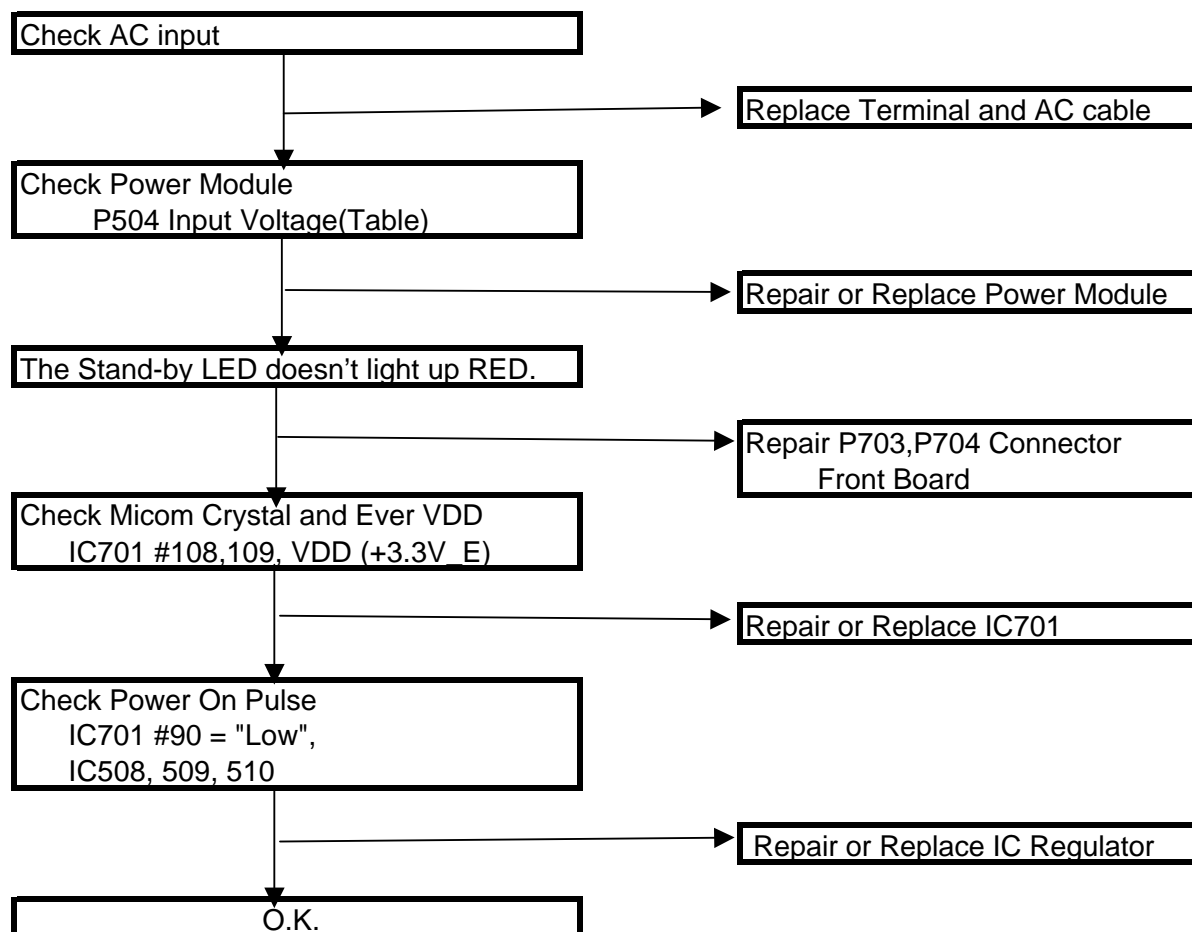


No Main Picture(RGB)



Troubleshooting charts

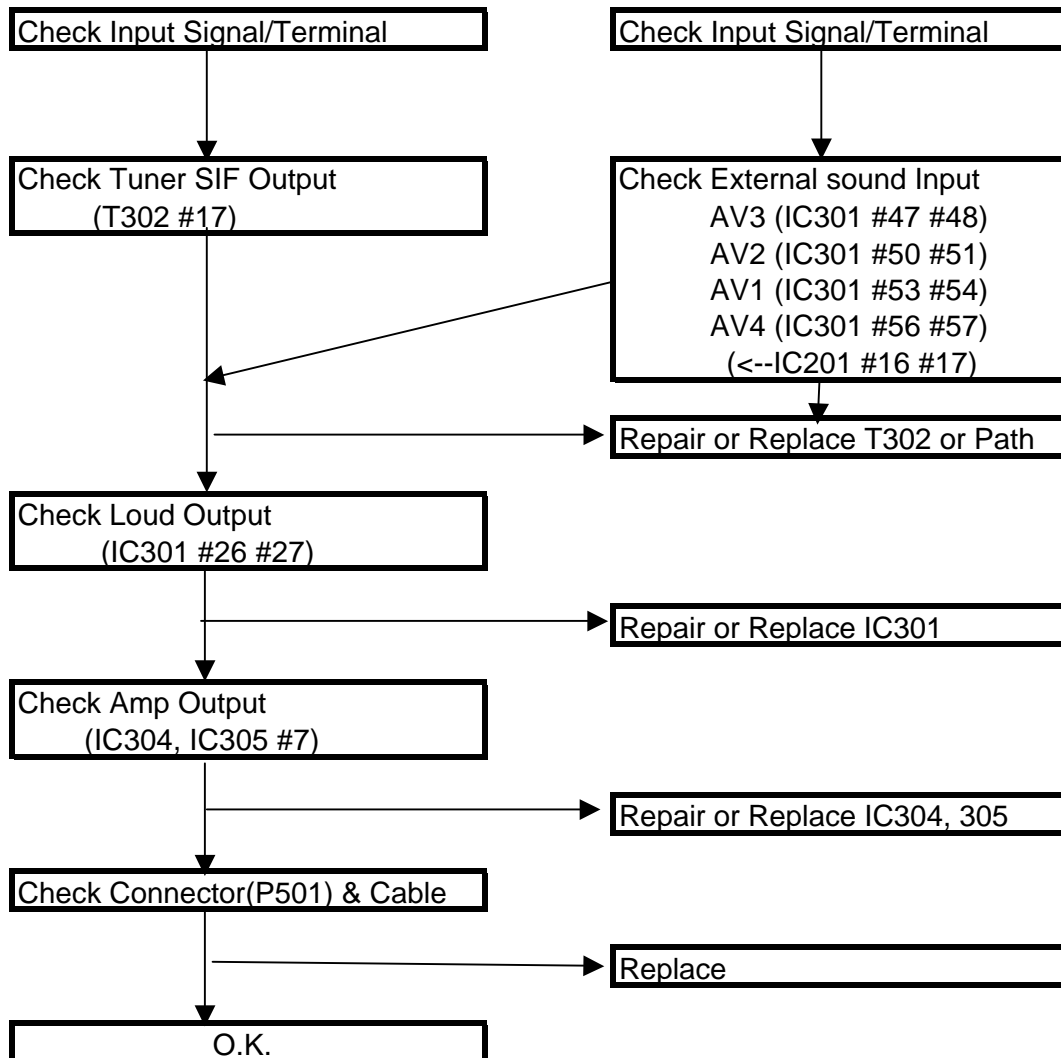
No Power



Table

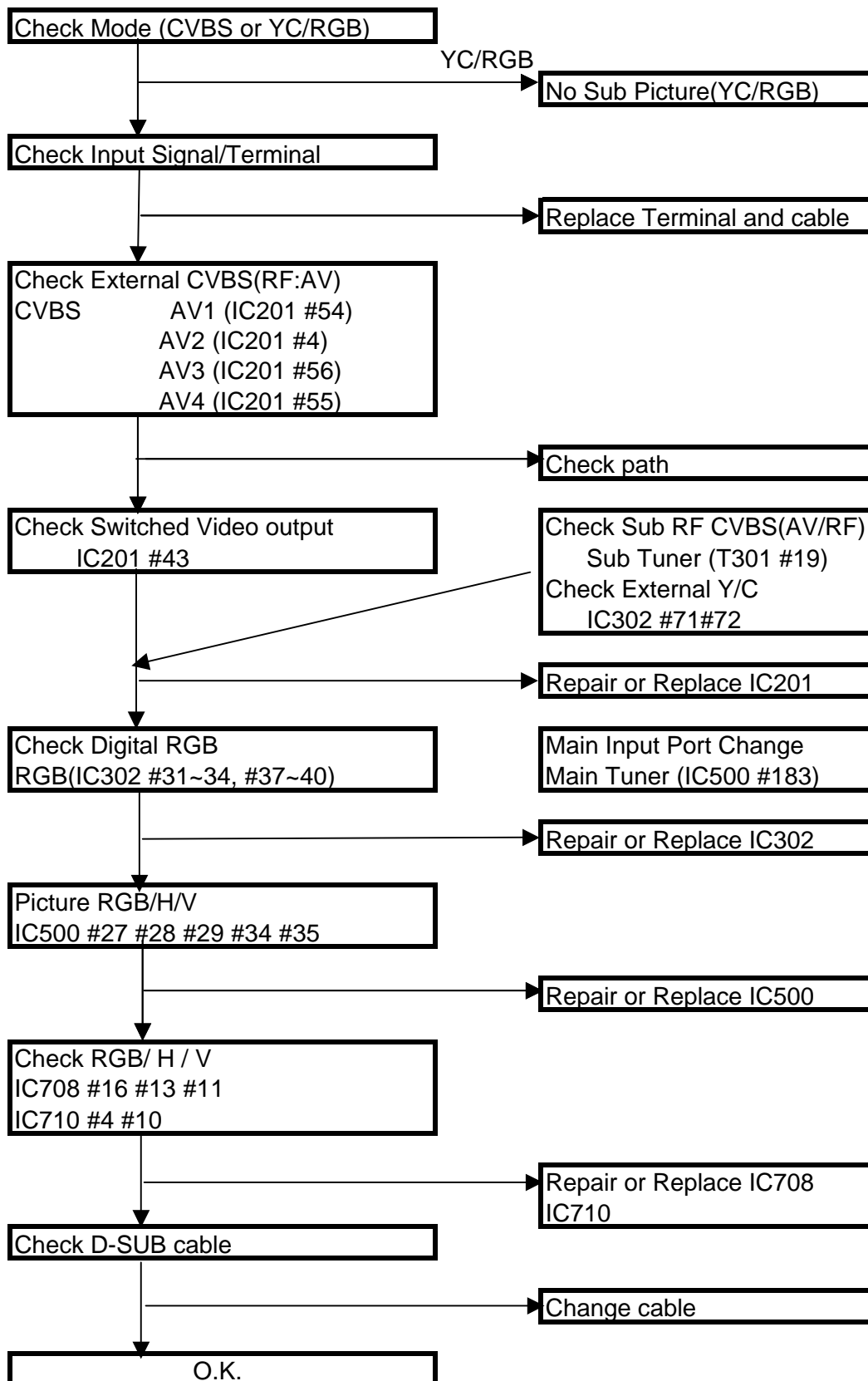
P504A	Voltage(When No Load)
#1	29.7V
#2	GND
#3	GND
#4	6.2V
#5	6.2V
#6	6.2V
#7	12.6V
#8	-13.5V
#9	3.4V
#10	3.4V
#11	3.4V
#12	3.4V
#13	GND
#14	GND
#15	GND

No Sound

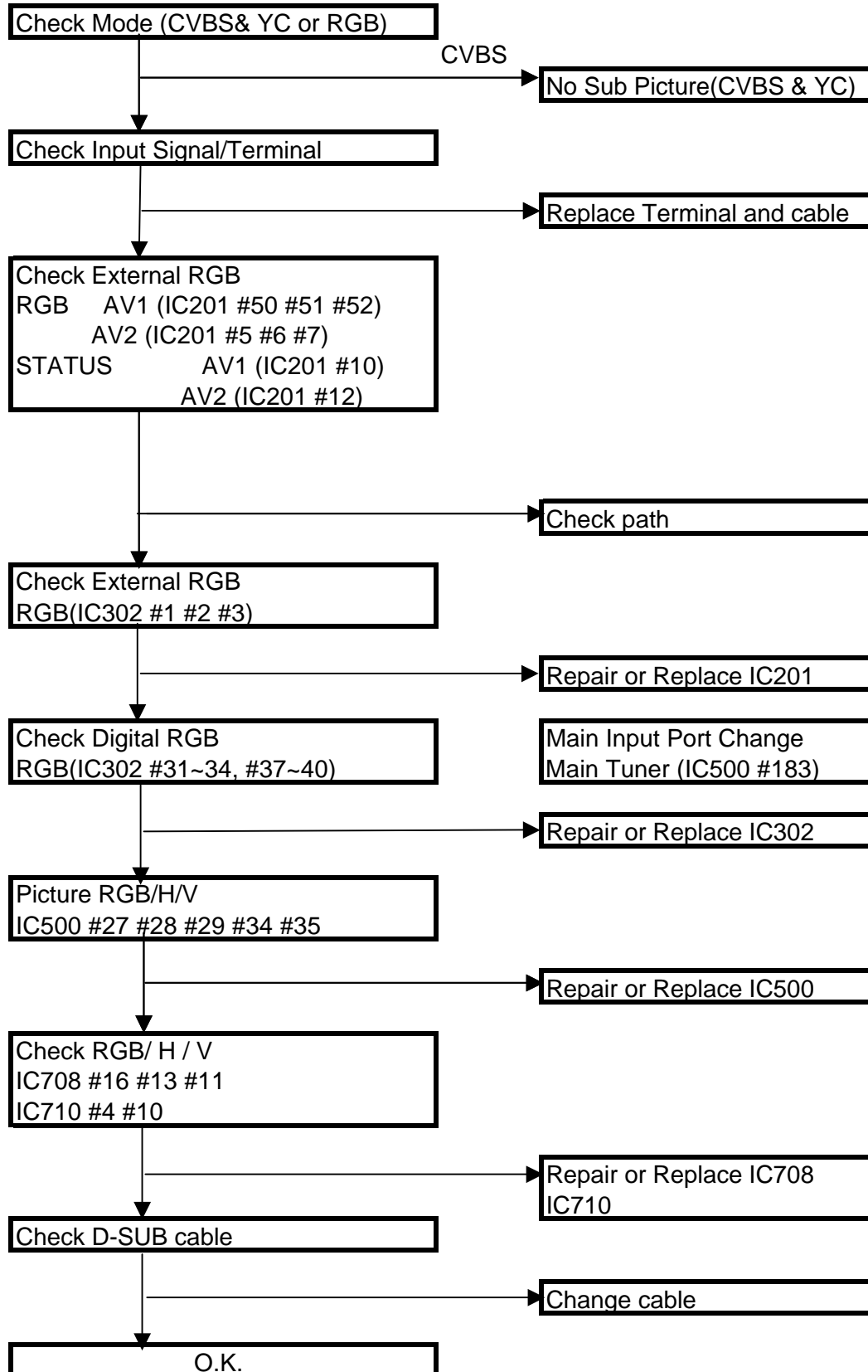


Troubleshooting charts

No Sub Picture(CVBS & Y/C)



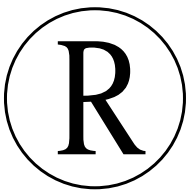
No Sub Picture(RGB)



7. Part list



The shaded areas in the schematic diagram and the parts list have especial characteristics important for safety and should be replaced only with types identical to those in the Original circuit or specified in the part list. Before replacing any of those components, read carefully the PRODUCT SAFETY NOTICE on this manual. Do not degrade the safety of receiver through improper servicing.



Part recommended for stock.

WARNING : BEFORE SERVICING THIS CHASSIS, READ THE “SAFETY PRECAUTION” AND “PRODUCT SAFETY NOTICE” ON THIS MANUAL.

Caution :

In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Prats Price List) in Service information Center (<http://svc.dwe.co.kr>)

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
ZZ100	48B00V4TE1	TRANSMITTER REMOCON	R-V4TE1(AA)	
ZZ120	PTACPWG008	ACCESSORY AS	DSA-9310E	
0010	49586100K2	MANUAL INSTRUCTION	DSA-9310E	
0030	4859910110	CORD POWER AS	EU KKP-419C KKS-15A 1.8M	⚠
0040	4859001460	CABLE RCA	2P-2P RED-WHT 3.0M	
0050	4959001760	CABLE D-SUB AS	D-SUB-15P/2=2800	
M822	4858213801	BAG INSTRUCTION	L.D.PE T0.05X250X400	
ZZ130	PTPKCPG008	PACKING AS	DSA-9310E	
M801	495800501D	BOX CARTON	SW-2	
M811	4958100800	PAD	EPS	
M821	4958200801	BAG P.E	PE FOAM T0.5X480X430	
ZZ140	PTCACAG008	CABINET AS	DSA-9310E	
EMI01	5PZCA2009A	FILTER EMI	ZCAT2035-0930A	
EMI02	5PZCA2009A	FILTER EMI	ZCAT2035-0930A	
EMI03	5PZCAT3035	FILTER EMI	ZCAT3035-1330	
M201C	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M211	4952100900	COVER TOP	SECC T0.6	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
M211A	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M212	4952102000	COVER BACK	SECC T1.0+PAINTING	
M212A	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M212B	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M213	4952101100	COVER BOTTOM	SECC T1.0	
M213A	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M213B	7008300811	SCREW MACHINE	WAS 3X8 MFZN	
M213C	4921500100	LEG	RUBBER BK NBR	
M371	4955400100	SPEC PLATE	P.E FILM 91.5X63	
ZZ200	PTFMSJG008	MASK FRONT AS	DSA-9310E	
M201	4952001001	MASK FRONT	HIPS	
M201A	7178300812	SCREW TAPTITE	TT2 WAS 3X8 BK	
M201B	97P0919100	PLATE EARTH AB	SUS 304 CSP T=0.2	
M291	4952900201	DECO RING	HIPS	
M481	4954800200	BUTTON POWER	ABS	
M491	4954901000	BUTTON CH	ABS	
M551	4955500600	DECO SENSOR	PMMA	
M571	4955700400	DECO LED	PMMA	
ZZ290	PTMPMSG008	PCB MAIN MANUAL AS	DSA-9310E	
10	2193102005	SOLDER BAR	SN:PB=63:47 S63S-1320	
30	2291050616	FLUX SOLDER	JS-64T3	
40	2291050301	FLUX SOLVENT	IM-1000	
CE304	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP	
CE306	CEXF1C471V	C ELECTRO	16V RSS 470MF (8X12)TP	
I707A	4959301610	SOCKET IC	LOC-642-T051-00	
IC504	5SC0101331	SW RELAY	RA-5W-K	
IC505	5SC0101331	SW RELAY	RA-5W-K	
IC506	5SC0101331	SW RELAY	RA-5W-K	
IC507	5SC0101331	SW RELAY	RA-5W-K	
IC508	1KA378R05-	IC REGULATOR	KA378R05	
IC509	1KA78R05--	IC REGULATOR	KA78R05	
IC510	1KA78R12--	IC REGULATOR	KA78R12	
IC707	1M27V160--	IC EPROM	M27V160D-100XB1	
IC708	1TEA5114A-	IC	TEA5114A	
M681	4956800100	CLAMP WIRE	STL-J-600-6M-01	
MC500	4957000800	HEAT SINK	AL ANODIZHG+TAPE	
P203	4859106340	JACK S-VHS	PH-SJ-9502	
P205	4959103250	JACK PIN BOARD	DPAM-0179(6P)	
P209	4850M04510	MODULE RF	PH-RF-9904A	
P301	4859266520	CONN WAFER	YW200-15	
P302	4859266020	CONN WAFER	YW200-08	
P303	4859258220	CONN WAFER	YW200-12	
P501	4959240220	CONN WAFER	SMW250-06	
P502	4859202801	CONN D-SUB	706HD-15FH (3R15P-ANGLE)	
P503	4859202801	CONN D-SUB	706HD-15FH (3R15P-ANGLE)	
P504	4959203820	CONN WAFER	SMW250-15	

Part list

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
P703	4959240220	CONN WAFER	SMW250-06	
P704	4859284620	CONN WAFER	SMW250-05	
Q501	TFQP20N06-	FET	FQP20N06	
T301	4959700850	TUNER	TAFD-S213D	
T301A	4859000770	PLUG RF AS	RCA PLUG+PAL PLUG+CABLE1365 AWG26=80MM	
T302	4959700850	TUNER	TAFD-S213D	
T302A	4859000770	PLUG RF AS	RCA PLUG+PAL PLUG+CABLE1365 AWG26=80MM	
ZZ200	PTMPJ2G008	PCB CHIP MOUNT B AS	DSA-9310E	
CC201	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC202	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC223	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC226	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC227	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC257	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC258	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC271	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC301	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC302	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608	
CC303	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608	
CC308	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC309	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC310	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC312	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC313	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC314	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC315	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC317	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC321	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC330	HCQK339JBA	C CHIP CERA	50V CH 3.3PF J 1608	
CC331	HCQK339JBA	C CHIP CERA	50V CH 3.3PF J 1608	
CC333	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC334	HCBK684KBA	C CHIP CERA	10V X7R 0.68MF K 1608	
CC335	HCBK684KBA	C CHIP CERA	10V X7R 0.68MF K 1608	
CC338	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC339	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC341	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC342	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC352	HCBK683KBA	C CHIP CERA	X7R 50V 0.068MF K 1608	
CC353	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
CC354	HCQK152JBA	C CHIP CERA	50V CH 1500PF J 1608	
CC355	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
CC356	HCQK152JBA	C CHIP CERA	50V CH 1500PF J 1608	
CC357	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC358	HCQK339JBA	C CHIP CERA	50V CH 3.3PF J 1608	
CC359	HCQK339JBA	C CHIP CERA	50V CH 3.3PF J 1608	
CC360	HCBK684KBA	C CHIP CERA	10V X7R 0.68MF K 1608	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC365	HCBBD684KBA	C CHIP CERA	10V X7R 0.68MF K 1608	
CC372	HCBK683KBA	C CHIP CERA	X7R 50V 0.068MF K 1608	
CC373	HCBK683KBA	C CHIP CERA	X7R 50V 0.068MF K 1608	
CC374	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
CC375	HCBK153KBA	C CHIP CERA	50V X7R 0.015MF K 1608	
CC501	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC502	HCBBD105KBA	C CHIP CERA	10V X7R 1MF K 1608	
CC503	HCBBD105KBA	C CHIP CERA	10V X7R 1MF K 1608	
CC504	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC505	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
CC512	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
CC513	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC514	HCQK680JBA	C CHIP CERA	50V CH 68PF J 1608	
CC515	HCQK680JBA	C CHIP CERA	50V CH 68PF J 1608	
CC516	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC521	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC529	HCQK200JBA	C CHIP CERA	50V CH 20PF J 1608	
CC530	HCQK200JBA	C CHIP CERA	50V CH 20PF J 1608	
CC532	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC538	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC540	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
CC541	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC542	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC549	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC551	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC562	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC563	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC564	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC565	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC566	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC567	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC572	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC573	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC576	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC577	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC579	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC588	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC703	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC711	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC713	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC714	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC715	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC716	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC717	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC721	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC725	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	

Part list

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC726	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608	
CC736	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC739	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC740	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC743	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC744	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC745	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC746	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC747	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC749	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC750	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC751	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC752	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC753	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC754	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC761	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC762	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC763	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC764	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC765	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC766	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC767	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CC768	HCFK103ZBA	C CHIP CERA	50V Y5V 0.01MF Z 1608	
CL311	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL706	HLC100J00A	L CHIP COIL	10UH NLC322522	
FB501	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB503	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB504	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB506	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB507	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB510	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB512	HLM101K00B	L CHIP MULTI	100UH K 2012	
Q211	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q212	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
RC201	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC202	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
RC203	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
RC204	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
RC205	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
RC206	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
RC207	HRFT151JBA	R CHIP	1/10 150 OHM J 1608	
RC208	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
RC209	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
RC232	HRFT683JBA	R CHIP	1/10 68K OHM J 1608	
RC261	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC262	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC305	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC306	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC307	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
RC308	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC309	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
RC310	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC311	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC312	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC351	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC352	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC353	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC354	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC355	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC356	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC357	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC358	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC371	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
RC372	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC373	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608	
RC374	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC501	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC503	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC504	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC505	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC506	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC507	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC508	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC510	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC511	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608	
RC513	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC514	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
RC515	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
RC516	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
RC522	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC531	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC532	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC536	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC537	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC702	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC704	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC713	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC737	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
RC738	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
RC739	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
RC740	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC741	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	

Part list

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC742	HRFT224JBA	R CHIP	1/10 220K OHM J 1608	
RC776	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
ZZ200	PTMPJRG008	PCB MAIN RADIAL AS	DSA-9310E	
CE201	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE301	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE305	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE307	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE501	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE502	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE503	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE504	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE505	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE518	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE531	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CE701	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE702	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE703	CEXF1C331V	C ELECTRO	16V RSS 330MF (8X11.5) TP	
CE704	CEXF1E101V	C ELECTRO	25V RSS 100MF (6.3X11) TP	
CT201	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT202	CEXF1A221V	C ELECTRO	10V RSS 220MF	
CT203	CEXF1A221V	C ELECTRO	10V RSS 220MF	
CT204	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT207	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT208	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT209	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT301	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT302	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT304	CEXF1H339V	C ELECTRO	50V RSS 3.3MF (5X11) TP	
CT305	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT306	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT307	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT309	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT310	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT312	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CT313	CEXF1H109V	C ELECTRO	50V RSS 1MF (5X11) TP	
CT314	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT315	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT317	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT318	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT319	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT320	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT323	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT324	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT501	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT502	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT503	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CT504	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT505	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT506	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP	
CT507	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT508	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT509	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT510	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT511	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT512	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT513	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT514	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT515	CEXF1A221V	C ELECTRO	10V RSS 220MF	
CT516	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT517	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT519	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT520	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT521	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT522	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT523	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT525	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT526	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT527	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT528	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT529	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT532	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11	
CT545	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT700	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT701	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT702	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT704	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT707	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT708	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
CT709	CEXF1C100V	C ELECTRO	RSS 16V 10MF 4*7	
ZZ200	PTMPJAG008	PCB MAIN AXIAL AS	DSA-9310E	
ZZ200	PTMPJ1G008	PCB CHIP MOUNT A AS	DSA-9310E	
A001	4959812124	PCB MAIN	246X246	⚠
CC204	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC205	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC206	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC207	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC208	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC209	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC210	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC211	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC212	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC213	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	

Part list

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC215	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC216	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC217	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC222	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC224	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC225	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC259	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC272	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC304	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC305	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC306	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC307	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC311	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC316	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC318	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
CC319	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
CC320	HCQK560JBA	C CHIP CERA	50V CH 56PF J 1608	
CC322	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC323	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC324	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC325	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC326	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC327	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC328	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC329	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC332	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
CC336	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
CC337	HCBK473KBA	C CHIP CERA	50V X7R 0.047MF K 1608	
CC340	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC343	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC344	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC345	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC346	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC347	HCQK152JBA	C CHIP CERA	50V CH 1500PF J 1608	
CC348	HCQK391JBA	C CHIP CERA	50V CH 390PF J 1608	
CC349	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC350	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC351	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC361	HCBK272KBA	C CHIP CERA	50V X7R 2700PF K 1608	
CC362	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
CC363	HCBK272KBA	C CHIP CERA	50V X7R 2700PF K 1608	
CC364	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608	
CC367	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC368	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC369	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC370	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC371	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC376	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC377	HCQK152JBA	C CHIP CERA	50V CH 1500PF J 1608	
CC378	HCFF224ZBA	C CHIP CERA	16V Y5V 0.22MF Z 1608	
CC508	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
CC509	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC510	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608	
CC511	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC517	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC518	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC519	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC520	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC522	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC523	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC524	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC525	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC526	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC527	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC528	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC531	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC533	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC535	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC536	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC537	HCQK561JBA	C CHIP CERA	50V CH 560PF J 1608	
CC543	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC544	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC545	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC546	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC548	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC550	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC552	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC553	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC554	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC555	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC556	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608	
CC559	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC561	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608	
CC578	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC585	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC586	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC587	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC589	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC590	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC702	HCQK221JBA	C CHIP CERA	50V CH 220PF J 1608	
CC705	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC706	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	

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LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
CC708	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC709	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC710	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC718	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC719	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC729	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC730	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC731	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC732	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC733	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC734	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC735	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC737	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC738	HCQK151JBA	C CHIP CERA	50V CH 150PF J 1608	
CC748	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608	
CC755	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CC756	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CC757	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CC758	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CC759	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CC760	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608	
CL203	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL303	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL304	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL305	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL501	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL701	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL702	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL703	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL704	HLC100J00A	L CHIP COIL	10UH NLC322522	
CL705	HLC100J00A	L CHIP COIL	10UH NLC322522	
D501	DLS4148--C	DIODE CHIP	LS4148	
D502	DLS4148--C	DIODE CHIP	LS4148	
D503	DLS4148--C	DIODE CHIP	LS4148	
D504	DLS4148--C	DIODE CHIP	LS4148	
D505	DES1J----C	DIODE CHIP	ES1J	
D506	DES1J----C	DIODE CHIP	ES1J	
D701	DES1J----C	DIODE CHIP	ES1J	
D702	DES1J----C	DIODE CHIP	ES1J	
DC201	DMMBD1203B	DIODE CHIP	MMBD1203	
DC202	DMMBD1203B	DIODE CHIP	MMBD1203	
DC203	DMMBD1203B	DIODE CHIP	MMBD1203	
DC204	DMMBD1203B	DIODE CHIP	MMBD1203	
DC205	DMMBD1203B	DIODE CHIP	MMBD1203	
DC206	DMMBD1203B	DIODE CHIP	MMBD1203	
DC207	DMMBD1203B	DIODE CHIP	MMBD1203	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
DC208	DMMBD1203B	DIODE CHIP	MMBD1203	
DC209	DMMBD1203B	DIODE CHIP	MMBD1203	
DC210	DMMBD1203B	DIODE CHIP	MMBD1203	
DC211	DMMBD1203B	DIODE CHIP	MMBD1203	
DC212	DMMBD1203B	DIODE CHIP	MMBD1203	
DC213	DMMBD1203B	DIODE CHIP	MMBD1203	
DC214	DMMBD1203B	DIODE CHIP	MMBD1203	
DC215	DMMBD1203B	DIODE CHIP	MMBD1203	
DC216	DMMBD1203B	DIODE CHIP	MMBD1203	
DC217	DMMBD1203B	DIODE CHIP	MMBD1203	
DC218	DMMBD1203B	DIODE CHIP	MMBD1203	
DC219	DMMBD1203B	DIODE CHIP	MMBD1203	
DC220	DMMBD1203B	DIODE CHIP	MMBD1203	
DC221	DMMBD1203B	DIODE CHIP	MMBD1203	
DC222	DMMBD1203B	DIODE CHIP	MMBD1203	
DC223	DMMBD1203B	DIODE CHIP	MMBD1203	
DC224	DMMBD1203B	DIODE CHIP	MMBD1203	
DC235	DMMBD1203B	DIODE CHIP	MMBD1203	
DC236	DMMBD1203B	DIODE CHIP	MMBD1203	
DC237	DMMBD1203B	DIODE CHIP	MMBD1203	
DC238	DMMBD1203B	DIODE CHIP	MMBD1203	
DC239	DMMBD1203B	DIODE CHIP	MMBD1203	
DC240	DMMBD1203B	DIODE CHIP	MMBD1203	
DZ701	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ702	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ703	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ710	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ711	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ712	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ713	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ714	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ715	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ716	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ717	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ718	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
DZ719	DBZX84C5-B	DIODE CHIP ZENER	BZX84C5V1	
EC301	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC302	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC303	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC304	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC305	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC306	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC307	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC308	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC309	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC310	HFEACF470B	F CHIP EMI	ACF321825 47P	

Part list

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
EC311	HFEACF470B	F CHIP EMI	ACF321825 47P	
EC312	HFEACF470B	F CHIP EMI	ACF321825 47P	
FB203	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB502	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB505	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB508	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB509	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB513	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB514	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB515	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB516	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB517	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB518	HLM101K00B	L CHIP MULTI	100UH K 2012	
FB701	HLM190K00B	L CHIP MULTI	19UH K 2012	
FB702	HLM190K00B	L CHIP MULTI	19UH K 2012	
FB703	HLM190K00B	L CHIP MULTI	19UH K 2012	
IC201	1CXA2161RQ	IC CHIP VIDEO SW	CXA2161R	
IC205	1K1A79L05C	IC CHIP REGULATOR	K1A79L05F	
IC301	1MSP3410-Q	IC CHIP SOUND	MSP3410G-8T(QA-B8-V3)	
IC302	1VPC3230DQ	IC CHIP VIDEO	VPC3230D	
IC303	1K1A78L08C	IC CHIP REGULATOR	K1A78L08F	
IC304	1M5218AFPP	IC CHIP	M5218AFP	
IC305	1M5218AFPP	IC CHIP	M5218AFP	
IC500	1DPTV3D--Q	IC CHIP	DPTV-3D(6730)	
IC501	1K4S6432-Q	IC CHIP SDRAM	K4S643232E-TC70	
IC502	1K4S6432-Q	IC CHIP SDRAM	K4S643232E-TC70	
IC701	1SDA6000-Q	IC CHIP MICRO	SDA6000	
IC703	1FM809TS3B	IC CHIP RESET	FM809TS3	
IC705	11S42S164Q	IC CHIP SDRAM	IS42S16400A-7T	
IC709	124LC64T-C	IC CHIP EEPROM	24LC64T-I/SN	
IC710	174F04---P	IC CHIP INVERTER	74F04SCX	
Q201	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q202	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q203	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q204	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q205	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q206	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q207	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q208	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q221	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q222	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q305	T2N7002---	TR CHIP	2N7002	
Q306	T2N7002---	TR CHIP	2N7002	
Q307	T2N7002---	TR CHIP	2N7002	
Q308	T2N7002---	TR CHIP	2N7002	
Q502	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
Q702	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q703	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q704	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q705	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q706	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q707	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q708	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
Q709	T2SC2412KB	TR CHIP	2SC2412K-T146-BR	
RC219	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC220	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC221	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC222	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC223	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC224	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC225	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC226	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC227	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC228	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC229	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC230	HRFT202JBA	R CHIP	1/10 2K OHM J 1608	
RC231	HRFT202JBA	R CHIP	1/10 2K OHM J 1608	
RC233	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC234	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC235	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC236	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC239	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC240	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC241	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC304	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC315	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC316	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC317	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC318	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC319	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC321	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC322	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC324	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC325	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC326	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC327	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC328	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC329	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC333	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC334	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC339	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
RC340	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	

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LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC341	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608	
RC342	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC343	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC344	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC345	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608	
RC346	HRFT392JBA	R CHIP	1/10 3.9K OHM J 1608	
RC347	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC348	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC349	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC350	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC509	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC517	HRFT330JBA	R CHIP	1/10 33 OHM J 1608	
RC518	HRFT561JBA	R CHIP	1/10 560 OHM J 1608	
RC519	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC520	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC523	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC527	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC538	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC539	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC540	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC541	HRFT000-BA	R CHIP	1/10 0 OHM 1608	
RC542	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC543	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC544	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC705	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC706	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC707	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC723	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC724	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC729	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC730	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC732	HRFT473JBA	R CHIP	1/10 47K OHM J 1608	
RC733	HRFT223JBA	R CHIP	1/10 22K OHM J 1608	
RC734	HRFT101JBA	R CHIP	1/10 100 OHM J 1608	
RC735	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
RC736	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	
RC743	HRFT103JBA	R CHIP	1/10 10K OHM J 1608	
RC744	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC745	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC746	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
RC747	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
RC748	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
RC749	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	
RC750	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC751	HRFT391JBA	R CHIP	1/10 390 OHM J 1608	
RC752	HRFT681JBA	R CHIP	1/10 680 OHM J 1608	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
RC753	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC754	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC755	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC756	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC757	HRFT750JBA	R CHIP	1/10 75 OHM J 1608	
RC761	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC771	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
RC772	HRFT820JBA	R CHIP	1/10 82 OHM J 1608	
RC775	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608	
X301	HXC20R250C	CRYSTAL CHIP QUARTZ	20.250MHZ 20PPM	
X302	HXC18R432C	CRYSTAL CHIP QUARTZ	18.432MHZ 20PPM	
X500	HXC14R318C	CRYSTAL CHIP QUARTZ	14.31818MHZ 20PPM	
X701	HXC6R0000C	CRYSTAL CHIP QUARTZ	6.000MHZ 20PPM	
ZZ300	PTUNSWG008	PCB UNION AS	DSA-9310E	
10	2193102005	SOLDER BAR	SN:PB=63:47 S63S-1320	
30	2291050616	FLUX SOLDER	JS-64T3	
40	2291050301	FLUX SOLVENT	IM-1000	
BD801	DDB105G--C	DIODE BRIDGE	DB105G DB1 TYPE	⚠
C801	CL1UC3104M	C LINE ACROSS	WORLD AC250V 0.1UF M R.47	⚠
C803	CL1EE3473M	C LINE ACROSS	AC275V 0.047MF M PCX2 335M	⚠
C804	CH1BFE222M	C CERA AC	U/C/V AC400V 2200PF	⚠
C805	CH1BFE222M	C CERA AC	U/C/V AC400V 2200PF	⚠
C809	CH1BFE222M	C CERA AC	U/C/V AC400V 2200PF	⚠
CE801	CEYD2W101D	C ELECTRO	450V FHS 100MF (25X30)	
CE803	CEXF1C222C	C ELECTRO	16V RUS 2200MF (13X25) TP	
CE809	CEXF1V331C	C ELECTRO	35V RUS 330MF (10X20) TP	
CE811	CEXF1C102C	C ELECTRO	16V RUS 1000MF (10X20) TP	
D803	DSB360----	DIODE SCHOTTKY	SB360	
D807	DMBR1060--	DIODE	MBR1060 TO-220A TYPE	
D807A	4957000703	HEAT SINK	AL EX	
D807B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
F801	5F6ML2022L	FUSE	663 250V 2A	⚠
IC601	4950M01210	MODULE IR RECEIVER	KSM-603TH2	
L801	58C0000137	COIL CHOKE	CH-150X	
L805	58CD000019	COIL CHOKE	20UH	
LE631	DSPR39MVW-	LED	SPR-39MVW (DUAL)	
LE632	DSLR34VC3-	LED	SLR-342VC (RED)	
LF801	5PLFSF212A	FILTER LINE	SF-2120A	⚠
LF802	5PLFSF212A	FILTER LINE	SF-2120A	⚠
P201	4959100480	JACK SCART	DSAM-9906	
P301A	4850715N06	CONNECTOR	YH200-15+YBNH200-15+US4W=300	
P302A	4850708N16	CONNECTOR	YH200-08+YBNH200-08+US1W=300	
P303A	4850712N05	CONNECTOR	YH200-12+YBNH200-12+US4W=300	
P501	4959260220	CONN WAFER	SMAW250-06	
P501A	4850706N18	CONNECTOR	SMH250-06+SMH250-06+ULW=80	
P504A	4850715N05	CONNECTOR	SMH250-15+YBNH250-15+ULW=100	

Part list

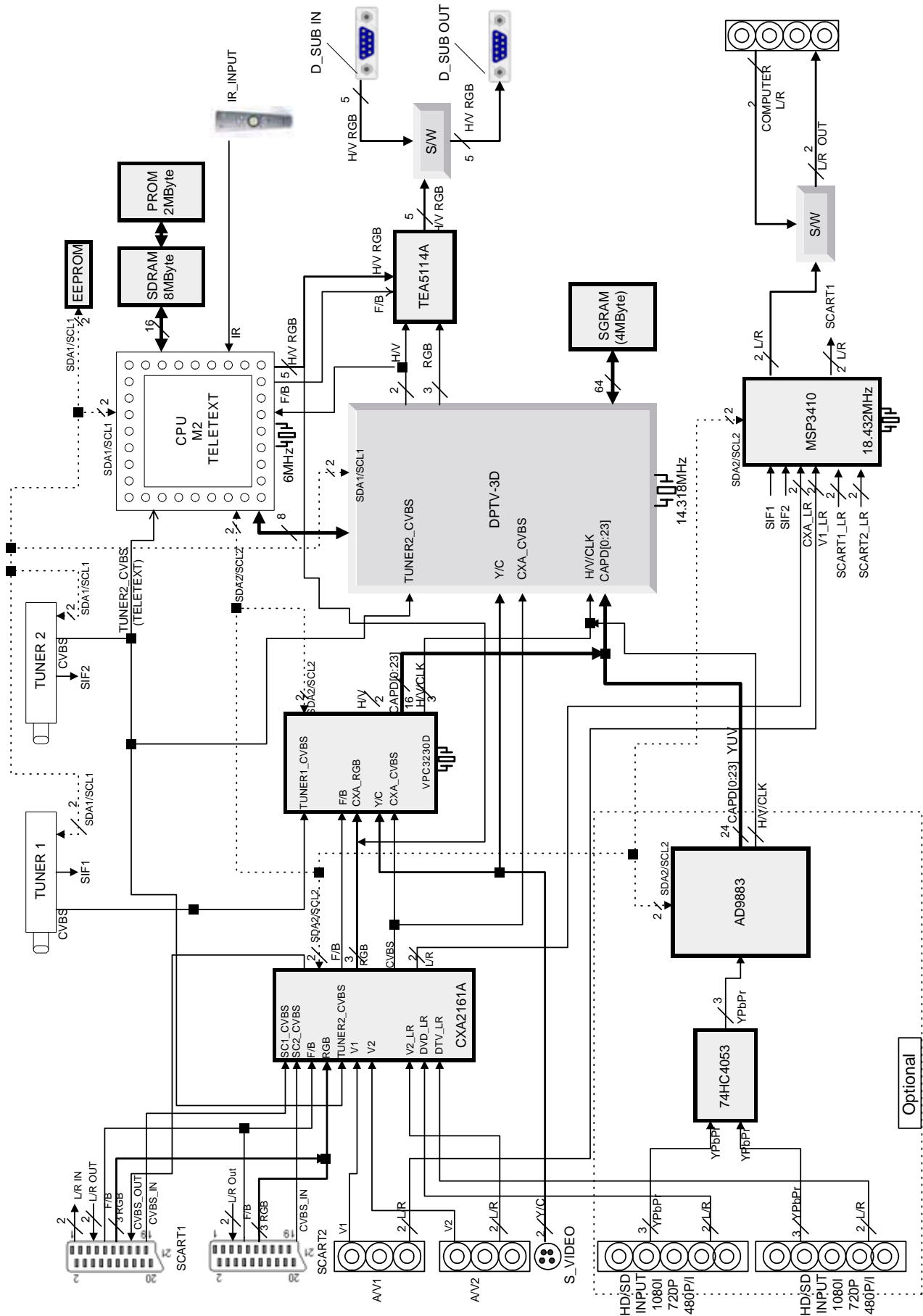
LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
P604	4959103450	JACK PIN BOARD	DPAM-0181(4P)	
P703	4959260220	CONN WAFER	SMAW250-06	
P703A	4950706013	CONNECTOR	SMH250-06+YST025+ULW4=150	
P704	4959260120	CONN WAFER	SMAW250-05	
P704A	4950705006	CONNECTOR	SMH250-05+YST025+ULW=150	
P801	4959100580	JACK AC INLET	DAAE-9221	⚠
P801A	4850702N14	CONNECTOR	YHL500-02+YPT018+ULW=200	⚠
PC801	4959202720	CONN WAFER	YWL500-02P	⚠
R801	RX05V229J-	R CEMENT	5W 2.2 OHM J LEAD	
R806	RS02Z104J-	R M-OXIDE FILM	2W 100K OHM J TAPPING	
T801	50M2828K--	TRANS FORMER	DWT-2828K	⚠
U801	1TOP234Y--	IC POWER	TOP234Y	
U801A	4957000703	HEAT SINK	AL EX	
U801B	7174301011	SCREW TAPPTITE	TT2 RND 3X10 MFZN	
U802	1LTV817C--	IC PHOTO COUPLER	LTV-817C	⚠
Z801	DSVC471D14	VARISTOR	SVC471D14A	
ZZ200	PTUNJRG008	PCB UNION RADIAL AS	DSA-9310E	
C641	CCXF1H103Z	C CERA	50V F 0.01MF Z (TAPPING)	
C642	CCXB1H103K	C CERA	50V B 0.01MF K	
C806	CCXB3A102K	C CERA	1KV B 1000PF K (TAPPING)	
C807	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)	
C808	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)	
C810	CBXF1H104Z	C CERA SEMI	50V F 0.1MF Z (TAPPING)	
CE642	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE802	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE804	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP	
CE805	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP	
CE806	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE807	CEXF1H470C	C ELECTRO	50V RUS 47MF (6.3X11) TP	
CE808	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE810	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
CE812	CEXF1C471C	C ELECTRO	16V RUS 470MF (10X12.5)TP	
CE813	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP	
IC602	1KA431L---	IC	KA431L	
L802	58C0000096	COIL CHOKE	610G0233(470K)	
L803	58C0000096	COIL CHOKE	610G0233(470K)	
L804	58C0000096	COIL CHOKE	610G0233(470K)	
S608	5S50101Z90	SW TACT	THVV502GDA	
S611	5S50101Z90	SW TACT	THVV502GDA	
S612	5S50101Z90	SW TACT	THVV502GDA	
S613	5S50101Z90	SW TACT	THVV502GDA	
S621	5S50101Z90	SW TACT	THVV502GDA	
S622	5S50101Z90	SW TACT	THVV502GDA	
S623	5S50101Z90	SW TACT	THVV502GDA	
S624	5S50101Z90	SW TACT	THVV502GDA	
U803	1KA431L---	IC	KA431L	

LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
ZZ200	PTUNJAG008	PCB UNION AXIAL AS	DSA-9310E	
A001	4959812024	PCB UNION	246X246	
BL881	5MC0000100	COIL BEAD	HC-3550	
BL882	5MC0000100	COIL BEAD	HC-3550	
C643	CCZB1H104K	C CERA	HIBK 50V 0.1MF K AXL 52MM	
D801	DSUF4007--	DIODE	SUF4007	
D802	D1N4148---	DIODE	1N4148 (TAPPING)	
D804	DSUF4007--	DIODE	SUF4007	
D805	DSUF4007--	DIODE	SUF4007	
D806	DSUF4007--	DIODE	SUF4007	
DZ601	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ602	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ603	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ604	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ605	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ606	DUZ5R1BM--	DIODE ZENER	UZ-5.1BM	
DZ801	DP6KE200--	DIODE	P6KE200	
DZ802	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
DZ803	DUZ30BH---	DIODE ZENER	UZ-30BH	
DZ804	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
DZ805	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
DZ806	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
DZ807	DUZ12BM---	DIODE ZENER	UZ-12BM (UNIZON)	
J001	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J002	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J003	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J004	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J005	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J006	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J007	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J008	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
J009	85801065GY	WIRE COPPER	AWG22 1/0.65 TIN COATING	
R802	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R803	RD-4Z224J-	R CARBON FILM	1/4 220K OHM J	
R804	RD-4Z245J-	R CARBON FILM	1/4 2.4M OHM J	
R805	RD-4Z245J-	R CARBON FILM	1/4 2.4M OHM J	
R807	RD-AZ912J-	R CARBON FILM	1/6 9.1K OHM J	
R808	RD-4Z689J-	R CARBON FILM	1/4 6.8 OHM J	
R809	RD-4Z479J-	R CARBON FILM	1/4 4.7 OHM J	
R810	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	△
R811	RD-AZ181J-	R CARBON FILM	1/6 180 OHM J	
R812	RD-AZ202J-	R CARBON FILM	1/6 2K OHM J	
R813	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
R814	RN-AZ3301F	R METAL FILM	1/6 3.3K OHM F	
R815	RN-AZ1002F	R METAL FILM	1/6 10K OHM F	
R816	RD-AZ102J-	R CARBON FILM	1/6 1K OHM J	

Part list

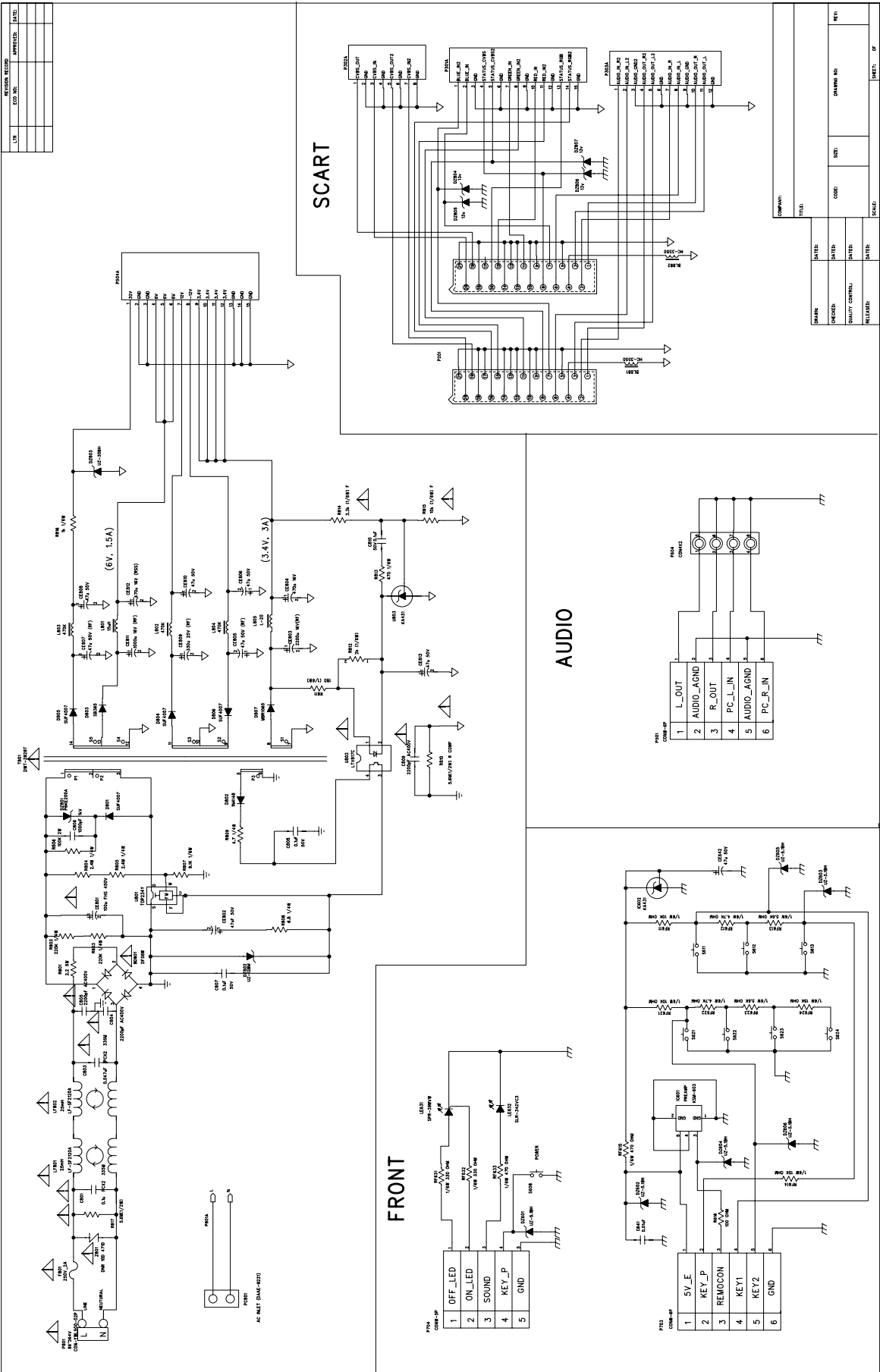
LOC	PART CODE	PART NAME	DESCRIPTION	REMARK
R817	RC-2Z565KP	R CARBON COMP	1/2 5.6M OHM K	△
RF611	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RF612	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RF613	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
RF614	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
RF615	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	
RF616	RD-AZ101J-	R CARBON FILM	1/6 100 OHM J	
RF621	RD-AZ103J-	R CARBON FILM	1/6 10K OHM J	
RF622	RD-AZ472J-	R CARBON FILM	1/6 4.7K OHM J	
RF623	RD-AZ562J-	R CARBON FILM	1/6 5.6K OHM J	
RF624	RD-AZ153J-	R CARBON FILM	1/6 15K OHM J	
RF631	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
RF632	RD-AZ331J-	R CARBON FILM	1/6 330 OHM J	
RF633	RD-AZ471J-	R CARBON FILM	1/6 470 OHM J	

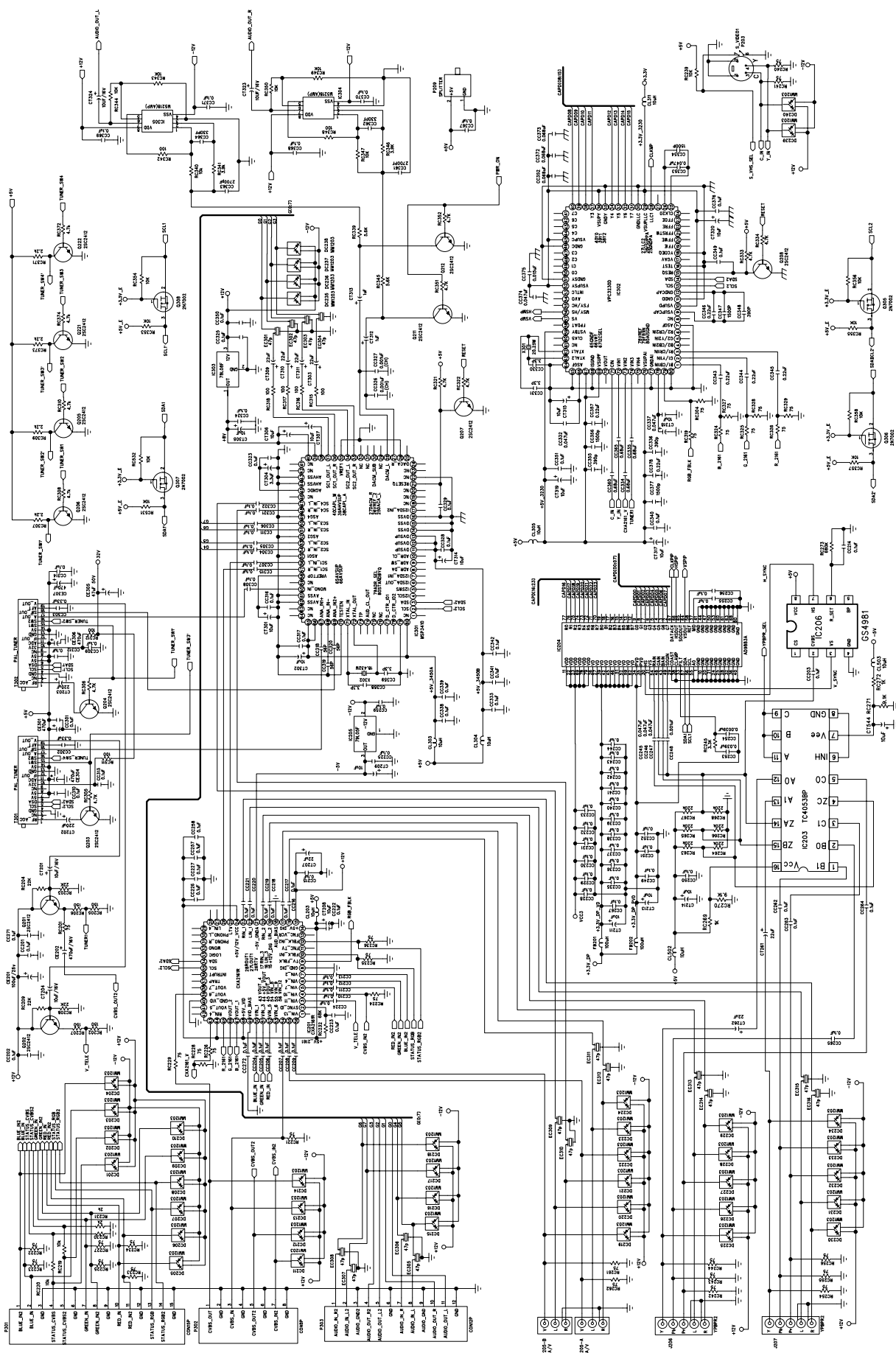
8. Signal Flow Diagram



9. Circuit Diagram

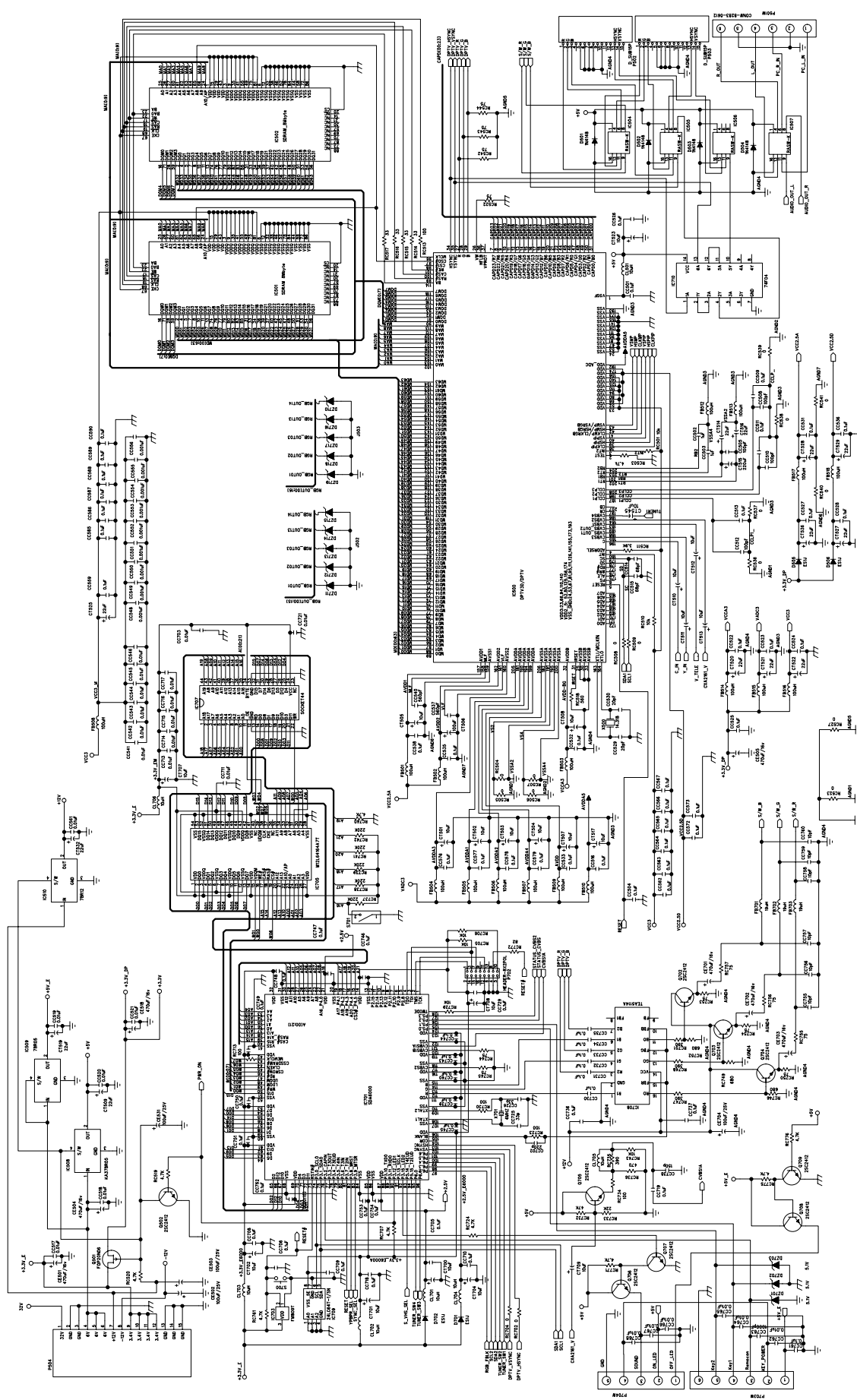
9-1 Power



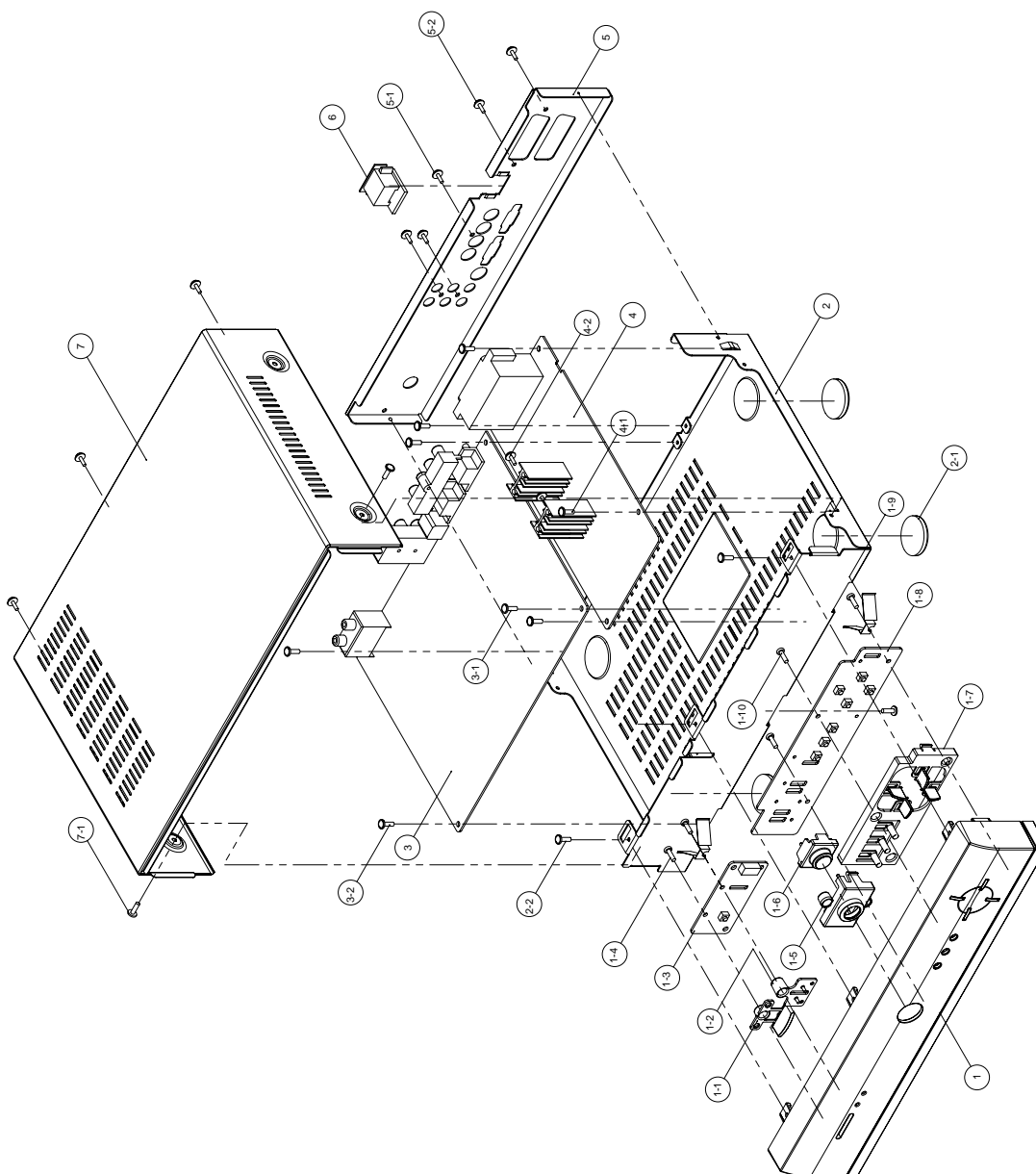
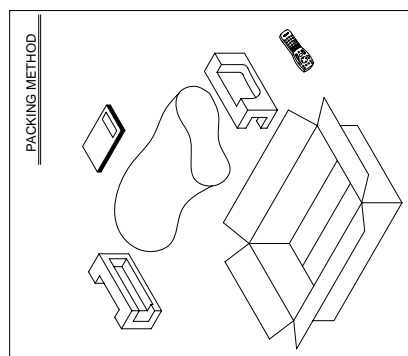


Circuit Diagram

9-3 Main Circuit (2/2)



10. Explode View



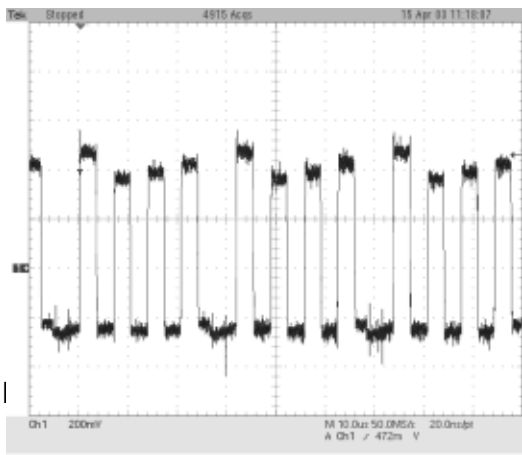
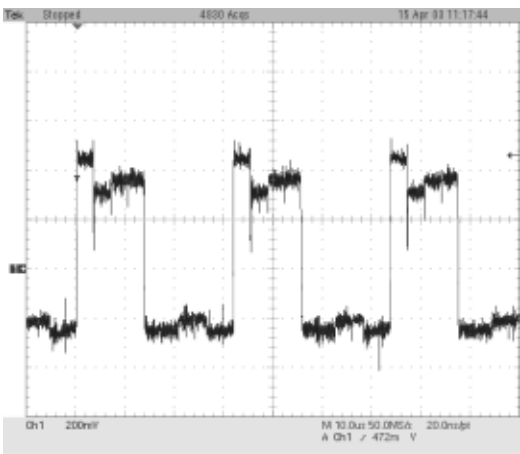
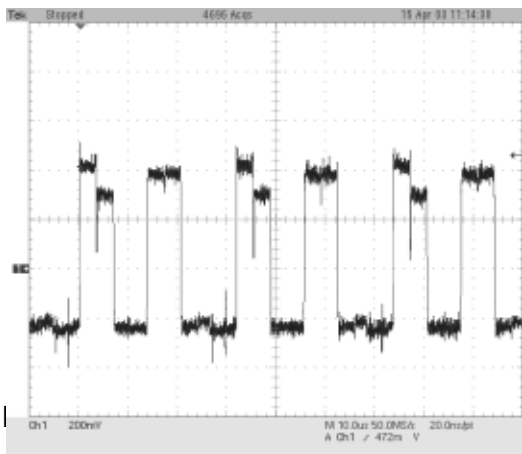
7-1	7170000012	SCREW TAPITE	5	T12 WAS 3/8X 1/2 IN BK	
6	4652100000	COVER TOP	1	SECT 1016	
7	4652101000	CORD POWER	1	KP2-41BK	
8	7170000012	SCREW TAPITE	1	T12 WAS 3/8 BK	
9	7170000012	SCREW TAPPING	1	T25 PANX1/2X 1/2 IN BK	
10	4652100000	COVER BACK	1	SECT TAPINGKIT	
11	7170000012	SCREW TAPITE	2	T12 PANX 1/2X 1/2 IN BK	
12	7170000012	SCREW TAPITE	4	T12 WAS 3/8X BK	
13	4690000024	POWER BOARD 1A5	1	DW50	
14	7170000012	SCREW TAPITE	2	T12 WAS 3/8X BK	
15	7170000012	SCREW MACHINE	2	WAS 3/8X 2IN	
16	7000000012	PCB MAIN MANUAL A5	1	DS4-0310E	
17	7170000012	SCREW TAPITE	3	T12 WAS 3/8X 1/2 IN BK	
18	4652001001	LEG	4	RUBBER BAR	
19	4652001000	COVER BOTTOM	1	SECT T10	
20	7170000012	SCREW TAPITE	3	T12 WAS 3/8X 1/2 IN BK	
21	9790010010	PLATE EARTH 1B	2	BUS 3/4X 1/2X 1/2 IN	
22	PELUS100022	PCB LUNION A5	1	DS4-0310E	
23	4654001000	PLATE CH1	1	ABS	
24	4655000000	DECO 250000	1	PWMA	
25	4650000001	DECO 2500	1	HPS	
26	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
27	PELUS000052	PCB LUNION A5	1	DS4-0310E	
28	4655000000	DECO LED	12	PWMA	
29	4654000000	PLATE POWER	1	ABS	
30	4650001001	MASK FRONT	1	HPS	
31	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
32	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
33	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
34	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
35	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
36	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
37	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
38	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
39	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
40	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
41	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
42	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
43	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
44	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
45	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
46	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
47	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
48	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
49	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
50	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
51	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
52	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
53	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
54	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
55	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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61	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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63	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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65	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
66	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
67	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
68	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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70	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
71	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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99	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
100	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
101	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
102	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
103	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
104	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
105	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
106	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
107	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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113	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
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123	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
124	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
125	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
126	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
127	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
128	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
129	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
130	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
131	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
132	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
133	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
134	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
135	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
136	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
137	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
138	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
139	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
140	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
141	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
142	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
143	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
144	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
145	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
146	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
147	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
148	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
149	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
150	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
151	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
152	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
153	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
154	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
155	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
156	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
157	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
158	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
159	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
160	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
161	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
162	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
163	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
164	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
165	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
166	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
167	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
168	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
169	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
170	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
171	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
172	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
173	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
174	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
175	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
176	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
177	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
178	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
179	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
180	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
181	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
182	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
183	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
184	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
185	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
186	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
187	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
188	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
189	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
190	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
191	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
192	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
193	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
194	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
195	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1/2 IN BK	
196	7170000012	SCREW TAPITE	2	T12 WAS 3/8X 1	

11. RGB H/V Output WaveForms

Signal Status : PAL-B/G
Standard Full Colorbar
Impedance Matching (75ohm)

R (FB703)

G (FB702)



V (IC710 #10)

